These are results from class

urinary tract infections (primari)
more than half with obstructive
for 10 days and evaluated at interest of therapy. Patients were considered to have a significant bacteriological response when the urine culture revealed 10,000 or fewer colonies/ml of any single organism cultured from a midstream clean-catch specimen

> Excellent initial response* after 10 days of therapy

Impressive response maintained 32 days after termination of therapy

in <u>E. coli</u> infections

97.1% of 105 patients 73.1% of 93 patients 81.1% of 37 patients 60.0% of 35 patients

in <u>Proteus</u> spp. infections in <u>Klebsiella</u> infections

85.7% of 21 patients

65.0% of 20 patients

Recommen Dosage Reg

Usual standard

Data on file, Medical Department, Hoffmann-La Roche Inc., Nutley, New Jerse

In cystitis, pyelonephritis and pyelitis diagnosed as chronic and due to susceptible urinary tract pathogens, usually <u>E. coli</u>, <u>Klebsiella Enterobacter</u> and <u>Proteus mirabilis</u>.

recurrent urinary tract infections

the usefulness of antibacterials, aspecially in chronic and recurrent tribacy, tract infections; 39.

Contraindications: Hypersensitivity to trimeloopilities saltors and despressions, nursing mothers.

Warnings: Deaths from hypersensitivity resident agranulos, tosis, aplastic anemia and other Blood divide attaining been associated with sulfonamides. Exterience with trimethodism, much more ilmited but occasional interfision of with imperiod of the one of the other points of the other and interfessed in the of the other of dividents of the other o

- 15-30 Below 15 Use not recom Supplied: Tablets, each containing 80 mg trimethoprim at 400 mg sulfamethoxazole—bottles of 100 and 500; Tel-E-Dose® packages of 100; Prescription Paks of 40, available singly and in trays of 10.

Creatinine Clearance (mi/n

Above 30

glycernic agents, sulfonamides have caused rare instance of golter production, divrests and hypoglycernia in patients; cross-sensitivity with these agents may exist, in rats, long lend therapy with sulfonamides has produced thyroid maligneds.

abult dosage: Two tablets b.i.d. for 10 to 14 days. For swith renal impairment:

Medical Tribune

world news of medicine and its practice-fast, accurate, complete

Wednesday, March 12, 1975

'CONSTRUCTIVE OFFERS' by individual hospitals in N.Y.C.'s League of Voluntary Hospitals have been made to the Committee of Interns and Residents in dispute over working hours and out-oftitle duties, Dr. Richard A. Knutson, C.I.R. Chairman told MT. A ten-day strike notice will go into effect March 15 unless an agreement is reached, Dr. Knutson said. Spokesman for the League, which halted talks with the C.I.R., refused comment as "detrimental to our negotiations."

A.M.A. SUIT against new utilization review procedures has surprised the government, HEW staffers told MT. Suit says HEW overstepped bounds by allowing non-MDs to serve on hospital UR committees which must review Medicare/ Medicaid cases within a day of admission. A.M.A. charges health care would be endangered without acutally cutting costs. Rules went into effect Feb. 1, but hospitals have until April l to comply.

Burrington Cites Clinitest Tablets' Peril to Children

By THOMAS BULGER

Medical Tribune World Service MONTREAL—Clinitest indicator tablets, used by the majority of the United States' 4,000,000 diabetics to deterline urine sugar content, have been insufficiently recognized by physicians and patients as a serious hazard to small children, according to Dr. John He reported to the annual meeting \$100 bond.

of the Society of Thoracic Surgeons here on five children between the ages of 19 and 26 months who incurred full-thickness burns of the esophagus community who are for and those who criminal charges, against four other After swallowing one of these tablets. are against legalized abortion agree the physicians at Boston City Hospital.

More Infarction, Less Pain

Angina Patient Mortality Not Cut by Surgery

By Frances Goodnight Medical Tribune Staff

HOUSTON-Investigators who are conducting a randomized trial of medical vs. surgical therapy in 150 patients with unstable angina pectoris have found no difference so far in the mortality rates of the two groups, the cardial infarction occurring in patients American College of Cardiology was

cooperative study, Dr. C. Richard medical therapy, Dr. Conti said.

Conti, of the Johns Hopkins University School of Medicine, said its findings indicate that the medical and surgical patients differ in two areas of clinical concern-incidence of myocardial infarction and relief from pain.

Specifically, the incidence of myowhile still hospitalized or during the first year of follow-up has been "signi-But in reporting on the eight-center ficantly greater" with surgery than with

Reaction to Edelin Conviction Is One of Shock and Dismay



By Sue Wymelenberg

BOSTON-Reaction to the conviction of Dr. Kenneth C. Edelin on the charge of manslaughter has been one of dismay and shock in the medical community here.

Dr. Edelin, 36, was convicted of causing the death of a fetus during the the jury came." performance of a legal abortion by hysterotomy in October, 1973, while

See One Man... and Medicine, page 15.

he was the chief obstetrical resident at D. Burrington, Professor of Surgery Boston City Hospital. He was senand Pediatrics at the University of tenced to one year's probation, stayed Chicago Pritzker School of Medicine. pending appeal. He is now free on a

Although the prosecution and the jurors insist that manslaughter, not will now move to preparations for a abortion, was the issue, those in this second trial in April, this one involving All developed strictures that were the conviction is a victory for the "right-Continued on page 20 to-life" movement.

Dr. Edelin's defense counsel, William P. Homans, Jr., commented as he and his client left the courtroom, "I would say that the vehemence with which the foreman shouted out the word 'guilty' shows something of the temper on the part of the populace from which at least some members of

Attorney Homans said that the case would be appealed, "even if the sentence is only a one dollar fine."

Dr. Edelin maintained that he was not tried by a jury of his peers. "There are too many subtleties, too many complicated issues for people with no foundation in medicine to understand," he said in a television interview.

Assistant District Attorney Newman A. Flanagan, who prosecuted this case. Their research on antibiotics effec-

Continued on page 3

On the other hand, "a persistent anginal syndrome" has been observed more often in patients on medical therapy than among those treated by

The 150 patients with unstable angina taking part in the trial have had angina of recent onset or a crescendo pattern associated with transient ECG changes. All have been admitted to a hospital because of a suspected impending myocardial infarction but candidates are excluded if a myocardial infarction occurred less than three months before admission.

Other grounds for exclusion from the study include appearance of new Q waves or evidence from enzyme determinations (made in the first 24 hours of hospitalization) that myocardial infarction has occurred. All accepted patients must be under 70 and must have a state of health consistent with a further life expectancy of at least five years were it not for the ischemic heart disease.

Dr. Conti also explained that patients who are clearly better suited to one form of therapy than the other are excluded. Only those who satisfy clinical criteria are asked to participate, and randomization takes place only if anatomy is judged suitable for bypass procedures.

Continued on page 3

'Blues' Battling For Life Against Takeover by US

BY LINDA MURRAY

For the first time in their history, Blue Cross and Blue Shield are fighting feverishly for their lives. "The future of Blue Shield . . . is by no means assured," warned Ned F. Parish, president of the National Association of

Second of a Series

Blue Shield Plans at the 1974 business meeting. The threat, of course, is national health insurance-which could either sweep the private sector aside entirely, or saddle it with a barrage of punitive restrictions.

To ward off a government takeover. the Blues have embarked on an intense program of house-cleaning and improved performance, emphasizing stepped-up cost control activities with some real grit and extensive involvement in the development of HMOs. Both moves promise to alter the Blues'. Continued on page 7

Vednesday, March 12, 1975

CLINICAL NEWS NOTE: "At Bellevue

[Hospital]. it has been shown that ap-

proximately 25 per cent of all medica-

tions are given in the wrong dose, or at

the wrong time, or to the wrong patient.

The only protection that the patient has

against being dragged off to the wrong

procedure, or having the wrong leg

amputated, or being given the wrong

medication, is to know what the hell is

supposed to be happening." (Dr. Eli A.

Medicine: pgs. 1, 2, 3, 6, 7, 12, 23

ical community1

women seen in N. Carolina3

Therapy helpful even if alcoholic still

Infarctions higher, pain lower in sur-

gical vr. medical angina therapy1 M.D.s arged to take greater interest in

Clinitest tablets found to be pediatric

Heroic measures save infant in downed

DL-norgestrel, a new progestin found

Gender at times a product of nurture

feature index

to be efficacious contraceptive23

Ob/Gyn: pgs. 1, 12, 16, 23

Edelin conviction shocks Boston med-

MIPI report on adverse drug reactions

Friedman, see page 2.1

Surgery: pgs. 1, 23

Pediatrics:

Psychiatry:

MIPI Report on Adverse Drug Reactions

Medicine in the Public Interest (MIPI), a nonprofit, nongovernmental organization headed by Dr. Dana L. Farnsworth of the Harvard School of Public Health. recently published an extensive and objective study of reports of adverse drug reactions (ADR) by two leading pharmacologists, Drs. Fred Karch and Louis Lasagna, of the University of Rochester School of Medicine and Dentistry. Their 32-page report, reflecting the concern of leading physicians, has had virtually no coverage by the professional and lay media.

Because the MIPI study analyzes and reports on issues of importance to physicians in every branch of medicine, Medical Tribune is presenting highlights of some of the issues covered in the MIPI report.

THE MIPI STUDY of adverse drug L reactions was stimulated by Senator Edward M. Kennedy's interest in obtaining objective expert evaluation of the problem. At hearings of his Senate Health Subcommittee some of the testimony offered resulted in frightening newspaper stories that presented an

First of a series

image of inept and ignorant physicians using powerful new drugs whose side effects harmed and killed scores of thousands of American patients. Nonresearchers extrapolated some data to estimate as many as 120,000 to 140,-000 deaths, which excited the press and television news commentators.

Data . . . "Completely Unreliable"

After examining the data, Drs. Karch and Lasagna concluded that "current estimates of the magnitude and cost of the adverse reaction problem are completely unreliable." They cite its incomplete data base, its unrepresentative and uncontrolled character among its deficiencies. "No statistically valid estimates can be derived from such data. Therefore, "a moratorium on reckless statements and estimates" is "desperately" needed, they point out.

Failure To Include Outpatients

The MIPI report pointed out that one of the pitfalls in the existing literature was that "almost all surveys on the incidence of ADRs have limited their attention to hospitalized patients on acute medical wards. Such patients represent only a portion of the total hospital population, and the characteristics of this group may differ considerably from those of the whole hospital population."

Drs. Karch and Lasagna point out that ambulatory outpatients account for the greatest amount of medicinal use in United States. There simply has been "no systematic attempt to assess ADRs in outpatient population," a point which outlines a perspective considerably different than that created by press accounts. In fact, Drs. Karch and Lasagna go on to point out that the possibility of underprescribing or failng to prescribe drugs must be considered. "Noncompliance on the part of patients is usually in the direction of failure to take drugs; patients in pain are often understated in our hospitals; our hypertensive patients are often undertreated because they will not take medications that produce side-effects tions, a method for assigning a reac-"The problem requires "risk- tion causally to a specific drug, as well

Drs. Karen and Losses of gathering. They also recommend federal funding where the patient's peace of mind development of metricus of gamestage including of a program addressed to these prob-might be disturbed, he said.

Well-Known Physicians in Leadership of MIPI

Most physicians do not know of Medicine in the Public Interest. It was "conceived for the purpose of conducting studies, performing analyses and making evaluations of present policies that the government cannot or will not perform and to do so in an objective fashion . . . so that policymakers and the public will be better informed. . . . "

Its Board of Directors is chaired by Dr. Dana L. Farnsworth. Other directors are: Dr. Daniel X. Freedman, Professor and Chairman, Department of Psychiatry, University of Chicago; Dean Charles O. Galvin, Southern Methodist University School of Law; Dr. Louis Lasagna, University of Rochester School of Medicine and Dentistry; Dr. Howard P. Rome, Mayo Clinic, Dr. Maurice H. Seevers, Professor and Former Chairman, Department of Pharmacology, University of Michigan; Dr. Chris Zarafonetis, Director, Thomas Henry Simpson Memorial Institute, University of Michigan.



DR. KARCH



DR. LASAGNA

Student Nurses Protest Training Cutback Plan



Student nurses, 1,800 strong, recently braved a snow storm and temperatur in the 20s in Albany to protest New York Governor Hugh Carey's plant, that the combination of the abortion shut down a dozen nursing training programs at state hospitals.

Panelists Disagree on Issue emotionally-loaded issues. Of How Much to Tell Patient

New York-How much truth should a patient be told? A Downstate Medical Center panel consisting of a rabbi, a psychiatrist, an internist, and a surgeon expressed sharp differences of

Although panel members concentrated on the problems of the dying patient, the moderator, Dr. Eli A. Friedman, Professor of Medicine, touched on the question of disclosure and information in more general

"At Believue [Hospital]," Dr. Friedman said, "it has been shown that approximately 25 per cent of all medications are given in the wrong dose, or at the wrong time, or to the wrong patient,"

"The only protection that the patient has against being dragged off to the wrong procedure, or having the wrong leg amputated, or being given the wrong medication," he declared, "is to know what the hell is supposed to be happening."

Dr. Friedman called for giving the patient more information in more situations than any of the other panel

"Truth is not for all people at all times," said Dr. Benjamin A. Rosenberg, Clinical Associate Professor of Medicine. "You have to individual-

Jewish Law Cited

Rabbi Benjamin Z. Krcitman, Visiting Professor of Jewish Law at the Jewish Theological Seminary, tended to agree with this cautious approach. Applying religious law to the problems of the dying patient, Rabbi Kreitman a said that if the patient "is a highly intelligent person with a strong character who is able to withstand any news, then you lead him in confession."

The Rabbi explained that leading benefit analysis," assert the investiga- as the use of control groups, stratifica- to telling him that his death is immiors. Karch and Lasagna urge the of the benefits derived from drugs. and, in fact, is "forbidden" in cases

patient he was going to die."

the panel, "I have never had one at Gynecology and Obstetrics, meeting in

New Test Predicts Leukemia Relapse

Houston. Texas—A fairly reliab must guard against vocal jurisdictions test to predict relapse in leukemin for vocal minorities imposing their ethitients in complete remission has be cal positions on medical care, family developed by physicians at Mi planning, or abortion on those patients Anderson Hospital and Tumor Inside or doctors who do not hold these posi-

patients, all of whom were in 🎋

Harold P. Surchin, said that the ofe

He added, however, that "I gaz ally believe the patient always subar sciously knows that he has a fable fall grow for resident the unfortunate

The strictest rule was offered by b inal court." Theodore R. Miller, Clinical Profess "I have been conservative on aborof Surgery at Cornell University Man tion, but I feel we have to defend cal College in New York: "One women's rights and not force the will be authoritarian. I have never told of one ethical or religious position on

Dr. Miller, who has been practical said. medicine for more than 40 years, it. The Association of Professors in

conviction, voting that "The adversary system of the criminal courts is not the place to define abortion, to define viability, or to define the moral issues of

Bone marrow cells from 25 at tions."

Dr. Jordan U. Gutterman suggestion changes, and coronary arteriographic text minimal residual disease definitionally, analysis of the left apparent remission "should improve textical end-diastolic pressure, the treatment strategy for patients between textical end-diastolic pressure, the treatment strategy for patients between textical end-diastolic pressure, and left ventricle been obtained by checking the sympto-

Dr. Edelin's status at the hospital is said the hospital will not change its now unresolved. His case will be re- basic policies on abortion, except those tive against intrauterine infections set off the investigation of abortion prac- viewed by the Boston Trustees of done by hysterotomy. In those cases. tices at the city institution and resulted Health and Hospitals and the city's he told MEDICAL TRIBUNE, "we will

Reaction to Edelin Conviction: Shock, Dismay

in their indictment and Dr. Edelin's. attorneys. The four doctors are David Charles, Dr. Edelin said he will continue to Leon Sabath, Leonard Berman and do abortions if he is permitted.

Agneta Phillipson. "I have not done anything which Attorney Neil Chayet, who will represent Dr. Charles, said that he was said. "I will continue to do abortions. very unhappy with the Edelin verdict. They are a woman's right and it is better if they are done in a hospital setting but not surprised. by someone who is trained.' "The thing that troubles me is that

Indication of possible ramifications conviction is difficult, based on the evidence, and you begin to ask whether of Dr. Edelin's conviction came quickly. The District Attorney of New evidence really matters in these cases." Both Mr. Chayet and Dr. Mitchell

York's saburban Nassau County, Rabkin, general director of Beth Israel Denis E. Dillon, said he would in-Hospital, told MEDICAL TRIBUNE vestigate a complaint by the Long Island Coalition for Life, an antiaborissue, a black physician, and the prestion group, that a fetus aborted at the Nassau Medical Center had been deent busing situation in Boston made a nied "all the ordinary medical means bad environment for deciding such and reasonable efforts to preserve and protect life."

Dr. Kenneth Ryan, chief of staff of the Boston Hospital for Women and patient who has a history of deps the Protection of Human Subjects, sion should not be told he is spirit the Protection of Human Subjects, Nor would Dr. Surchin so inform plied with the law and with good median plied with the law and with good medi-

> fall guy for society's battle, which beongs in the legislature, not the crim-

others who do not hold it," Dr. Ryan

New Orleans, condemned Dr. Edelin's abortion. In our diverse society, we

in van Willebrandt's disease.

1972, has had a normal infancy without evidence of a bleeding tendency. Dr. Barrow said six possible genetic

mechanisms have either been excluded or tentatively ruled out by laboratory tests. These include a von Willebrand's scribed hemophilia A phenotype mutat-Ivonization—i.e. random inactivation of almost all of the normal alleles in translocation occurring in a heterozygote for X linked hemophilia A; a The proband, first seen at North A locus in the X chromosome, and a

the fetus is born alive. Since the conviction of Dr. Edelin for doing a hysterotomy, most of us fear this type of was illegal, absolutely nothing," he prosecution could happen to us. We will have spent thousands of dollars if there is even so much as a muscle twitch in the fetus to prove we did everything possible." Dr. Ernest W. Lowe, chief of

have on tap life saving services in case

ob/gyn at Boston City Hospital, said there would be no change in that hospital's abortion policy, however.

In the trial the prosecution defined abortion as the termination of pregnancy, but not necessarily involving the death of the fetus, and held that the physician has a responsibility to the fetus if there is a chance that it is

> Continued on page 13

Hemophilialike Ailment Seen In Women of 3 Generations

New Orleans—A bleeding diathesis indistinguishable from hemophilia A and symptom free. Her daughter, born which has been transmitted as a domi- in 1946, has only a slight bleeding nant trait in women of three genera- tendency. A granddaughter, born in tions has been observed at the University of North Carolina.

Dr. Louis Burke, director of clinical

obstetrics at Beth Israel Hospital here,

Dr. E. S. Barrow described the anomaly to the Southern Society for Clinical Investigation here, reporting that there is nothing in the phenotype to suggest that the women are different from men with hemophilia A except the mildness of their symptoms.

The most striking abnormalities found in the laboratory are a reduction of Factor VIII to 2-12 per cent of control values, and a failure of de novo synthesis of Pactor VIII to occur after transfusion, which is traditionally seen

Carolina in 1954 at the age of 27, is dominant mutation at a previously unthe only one of the women to have a recognized Factor VIII locus.

history of excessive bleeding. Her mother, born in 1898, is alive, well,

disease phenotype; a previously deing at the Willebrand locus; extreme a heterozygote by being sequestered in Barr bodies; a balanced X-autosomal dominant mutation at the hemophilia

Medical Tribune

CHRIS WOODBURY, Ph.D. General Manager HARRY HENDERSON RICHARD GUBNER, M.D. R. S. GRIMSHAW, JR. Executive News Editor

NIKEI PROST

WILLIAM PRIFTIS

ARTHUR M. SACKLER, M.D. International Publisher

Advisory Board

JOHN ADRIANI, M.D. • RENE J. DUBOS, PH.D. Jules H. Masserman, M.D. • BERNARD LOWN, M.D. •
ALBERT B. SABIN, M.D. •
ALTON OCHENER, M.D. • ROBERT A. CHASE, M.D. LEO G. RIGLER, M.D.

880 Third Avenue, New York, N.Y., 10022 Circulation audited by Business Publica-tions Audit of Circulation, Inc.

MEDICAL TRIBUNE is published each Medical. 18thus is published each Wednesday except on April 30, July 30, Oct. 29 and Dec. 21, by Medical Tribune, Inc., 880 Third Ave., New York, N.Y., 10022. Application to mail at controlled circulation rate pending at Vineland, N.J. 08360
Subscription 325.00, Students \$7.50.

patients, all of whom were in a parently complete clinical remision. Angina Patient Mortality Not Cut by Surgery from acute leukemia, were used to surgery and successive among autological peripheral blood lymphocytes. Period Continued from page 1 patients, and 15 of these remained patients and the other 70 patients in the surgical group, three died in hospital and three more within the first year. A company stream free of these more within the first year. A company of the other 65 medical three more within the first year.

10.5 months.

In the other two patients, and in surgery, Dr. Conti said. Both groups of the eight whose peripheral library assigned to coronary artery three more within the first year. A total of 20 developed a myocardial infarction—15 in the operative period or before discharge from hospital.

An actuarial survival curve plotted or before that pro-Dr. Jordan U. Gutterman suggestichanges and control infarction, ECG for the two groups indicates that pro-

Contraction patterns did not reveal any matic state of surviving patients in Dr. Gutterman's co-workers in the significant difference between the two each group at the time of last follow-

group survivors said they were free of pain. The remaining 32 reported an

anginal syndrome with New York Heart Association Class 2 to 4. By contrast, 56 of the 64 surgicalgroup survivors said they were free of pain. Dr. Conti emphasized that the find-

ings from the trial, which began in 1972, must be considered preliminary, The study is continuing at the eight Dr. Gutterman's co-wo. In But confession is not mandatory, ad, in fact, is "forbidden" in cases there the patient's peace of mind alght be disturbed, he said.

The psychiatrist on the panel, Dr. and Evan M. Hersh, and Carot Hunder of the panel, Dr. and Evan M. Hersh, and Carot Hunder of the panel of the

ሲሲሲሲሲ

Larocin (amoxicillin) achieves high blood and urine levels

Low incidence of diarrhea to date in clinical studies

NUTLEY, N.J.—Roche Laboratories recently introduced an oral broad spectrum antibiotic: Larocin (amoxicillin). Larocin represents a significant contribution to antibacterial chemotherapy, one which will perform effectively in the treatment of a wide range of infections due to susceptible organisms (see chart at right).

Absorption called the key

The key pharmacologic characteristic of Larocin (amoxicillin) is its rapid and efficient absorption from the gastrointestinal tract. Not only is it stable in stomach acid, but the presence of food has no significant effect on the antibiotic's absorption. Thus Larocin may be taken by patients on a convenient t.i.d. schedule without regard to meals. The reconstituted oral suspension and pediatric drops may be added to liquids such as formula, milk, fruit juice or soft drinks for easy administration to small children.

Because of its efficient absorption characteristics, high blood and urine levels of Larocin (amoxicillin) are rapidly achieved. Peak serum levels average 4.2 mcg/ml two hours after a single 250-mg oral dose and 7.5 mcg/ml one hour after a single 500-mg oral dose — both levels approximately twice as high as those obtained with equal doses of ampicillin. 1.2

On a multiple-dose regimen, when given every eight hours for 8 days, the lowest mean serum levels of Larocin approximated 1.0 mcg/ml after 250 mg and 1.25 mcg/ml after 500 mg.8 Although the therapeutic range of blood levels for the penicillins is not well established, these results demonstrate that blood levels may be expected to remain above the MIC's for all of the nonurinary pathogens susceptible to Larocin when it is administered at clinically recommended doses (see chart below)

(see chart below).

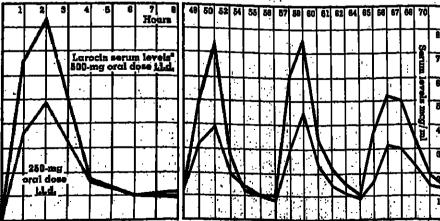
Most of Larocin is excreted unchanged in the urine.² Average urinary excretion within 6 to 8 hours after oral administration ranges from 40 to 79% for the 250-mg dose and 59 to 79% for the 500-mg dose.¹⁻⁵

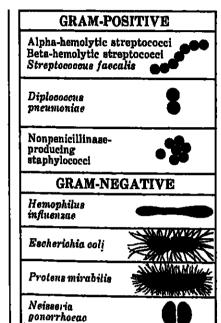
the 500-mg dose. 1-5

1. Croydon EAP, Sutherland R: Antimicrob Agents Chemother — 1970, pp. 427-430, 1971. 2. Neu HC, Winshell EB: Antimicrob Agents Chemother — 1970, pp. 428-426, 1971. 3. Data on file, Hoffmann-La Roche Inc., Nutley, New Jersey. 4. Leigh DA: Curr Med Res Opin 1:10-18, 1972. 5. Bodey GP, Nance J: Antimicrob Agents Chemother 1:358-362, 1972.

Hypersensitivity reactions can occur

As with other penicillins, it is anticipated that adverse reactions to Larocin (amoxicillin) will be largely limited to sensitivity phenomena. While anaphylaxis is rare in patients treated with oral





<u>In vitro</u> bactericidal activity

Note: Because Larocin (amoxicillin) does not resist destruction by penioll-linase, it is not effective against peniollinase-producing bacteric such as resistant staphylococci. All strains of Pseudomonas and most strains of Klebsiella and Enterobacter are resistant.

penicillins, the possibility must nevertheless be kept in mind. Larocin is contraindicated in patients with a history of penicillin hypersensitivity. SERIOUS ANAPHYLACTOID REACTIONS REQUIRE IMMEDIATE EMERGENCY TREATMENT (See Warnings section of complete product information, a summary of which appears at right.)

Efficacy demonstrated in many infections

Amoxicillin has been administered successfully to patients with a wide range of commonly seen infections due to susceptible organisms.* Over-all clinical evaluation of amoxicillin therapy was considered a "success" or "improvement" in 1267 of 1350 evaluable cases (93.8%).†

Ages of the 1850 patients studied ranged from under one year to over 80 years. Larocin capsules were administered to 800 patients and oral suspension to the remaining 550. Dosage of the capsules ranged from 250 mg t.i.d. (the most frequently used dosage) to a single 8-Gm dose for the treatment of acute uncomplicated gonorrhea. Dosage of the oral suspension ranged from 50 mg t.i.d. to 250 mg t.i.d., with 125 mg t.i.d. the most frequent. The majority of patients were treated from seven to 10 days. A breakdown by type of infection follows:

Otitis Media: The pathogens most commonly isolated were Diplococcus pneumonias and Hemophilus influenzae. Of 130 cases with this diagnosis, 121 (98%) were rated as a "success" or "improvement" after treatment with Larocin (amoxicillin).

Streptococcal Sore Throat: A success rate of 86% (174 of 20% cases) was observed with Laroch against the responsible pathogen beta-hemolytic streptococci. The great majority of the 202 patients in this group were children who received the oral suspension

Other Upper Respiratory Infections: Beta-hemolytic strepto-cocci† were the offending organisms for most of the infections in this group, which were disposed primarily as pharyngits, with some cases of tonsillitis and a few cases of sinusitis. A success rate of 82% (56 of 68 cases) was achieved with Larocin.

Lower Respiratory Infections: Treatment with Larocin resulted in "success" or "improvement" in all of the 52 cases in which Diplococcus pneumoniae was cultured. Staphylococcus aureus was also cultured in 26 of the 98 cases, Larocin showed "success" or "improvement" in 96% (25 of 26 cases). The most common clinical conditions were bronchitis and bronchopneumonia.

Urinary Tract Infections: Cyltitis, pyelonephritis and asymptomatic bacteriuria were the most frequent clinical diagnoses in this group. Of the 404 cases evaluated, Escherichia coli was cultured in 306 cases and treatment with Larocin resulted in "success" or "improvement" in 284 cases (93%). Proteus mirabilis was cultured in 70 patients, with Larocin effective in 67 (96%).

Skin and Soft Tissue Infections: Staphylococcus aureus was cultured in 108 cases, with "success" or "improvement" in 104 (96%); while beta-hemolytic streptococci were cultured in 99 cases, with "success" in 97 (98%). Impetigo and abscess were the most frequent diagnoses.

Gonorrhea: Administered as a single 8-Gm oral dose, Larocia showed a success rate of 97% in both males (85 of 88 cases) and females (114 of 118 cases).

*Data on Alo, Hoffmann-La Rocks into Nutley, New Jersey 07110.

1*Success" or "improvement" was determined by a combination of clinical and bacteriological criteria. In infections due to beta-hemolytic streptosections due to beta-hemolytic streptosection of N. gonorrhosas, only excesses were included.

Low incidence of side effects reported to date

During the clinical investigations with amoxicillin, all cases treated were evaluated for side effects. No side effects or laboratory abnormalities which would be considered unusual for a penicillin derivative were reported by any of the investigators.

In 2658 total courses of therapy was apy with amoxicillin, therapy was discontinued in only 52 patients

Drug-Related Side Effects Associated with Amoxicillin

Based upon 8658 courses of therapy: 1811 with the capsules and 847 with the oral suppension.

SIDE EFFECT	#	%	#	%
Diarrhea	24	1.3	18	2.1
Rash	24 7 8 7	1.3	17	2.0
Nausea	7.	0.3	1 2	0.1
Urticaria	8 '	0.4	2	0.2
Monitiasis	7	0.3		
Nausea/Vomiting	4	0.2		
Diarrhea/Nausea	4 3 2 2 2 2 2	0.1		
Vomiting	2	0.1	4	0.4
Dizziness	2	0.1		
Colitis	2	0.1		
Nauses/Hendache	2	0.1	-	
Rash/Urticeria	2	0.1	1	0.:
Esophageal Spasm	ļ	0.05	_	
Stomachache	ī	0.05	1	0.3
Belching	1	0.05		
Drowsiness	1	0.05		
Beiching/Numbness/Tingling/Stching	ī	0.05		
Fever/Itching	1	0.05		
Difficult Breathing	1	0.05		
Mucus in Pharynx	1	0.05		
Diarrhea/Urticaria	ì	0.05		-
Diarrhes/Vomiting	ī	0.05	4	0.
Dizziness/ Headache	1	0.05		
Conjunctival Ecchymosis	j	0.05		
G.I. Bleeding	j	0.05		
Abdominal Cramps	j	0.05		_
Diarrhea/Rash	1	0.05	i	o.
Rash/Diarrhea/Vomiting			į	o.
Sore Tongue			1	o.
Resh/Vomiting			1	0.
TOTAL	102	5.6	52	6

(1.9%) because of drug-related side effects. Laboratory abnormalities possibly related to amoxicillin occurred infrequently

In these studies, there was a low incidence of diarrhea reported with amoxicillin capsules—1.7% or 80 of 1811 patients. Especially noteworthy was the low incidence of diarrhea reported with amoxicillin or al suspension—only 2.8% or 24 of 847 patients, significantly less (p<0.05) than the incidence of diarrhea with ampicillin or al suspension (5.8% or 15 of 282 patients).

or 15 of 282 patients).
In breaking down the over-all incidence of diarrhea by age groups, it was found that in the group from 0 to 1 (newborn and 1-year-old infants), 13 of 108 patients receiving amoxicillin oral

suspension developed diarrhea, for an incidence of 12%. This represents over one-half the total number of diarrhea cases seen in the 847 patients treated with amoxicillin oral suspension.

Throughout each of the remaining age categories, starting from age 2 to 10 and in the general grouping from age 11 to 20, the incidence of diarrhea in patients treated with amoxicillin oral suspension ranges from 2% down to 0 in the older groups. There were few cases of diarrhea beyond the age of six.

The incidence of diarrhea with Larocin (amoxicillin) can therefore be expected to be considerably higher in the newborn and infant age groups than in older children, which is true of all antibiotics.

Usual Adult and Pediatric Dosages

INDICATION	STRAIN ISOLATED	ADULT DOSAGE	PEDIATRIC DOSAGE*	
Infections of the ear, nose, throat	Streptococci, pneumococci, nonpenicillin- ase-producing staphylococci, H. influenzae	250 mg <u>t. i.d.</u>	Oral Suspension: 20 mg/kg/ day in divided doses <u>t.i.d.</u> Drops: Under 6 kg (13 lbs): 0.5 ml <u>t.i.d.</u> ; 6-8 kg (13-18 lbs); 1 ml <u>t.i.d.</u>	
Infections of the lower respiratory tract	Streptococci, pneumococci, nonpenicillin- ase-producing staphylococci, H. influenzae	500 mg <u>t.l.d.</u>	Oral Suspension: 40 mg/kg/ day in divided doses t.i.d. Drops: Under 6 kg (13 lbs): 1 ml t.i.d.; 6-8 kg (13-18 lbs): 2 ml t.i.d.	
infections of the genito- urinary tract	E. coli, Proteus mirabilis, Strep. faecalis	250 mg <u>t.i.d.</u>	Oral Suspension: 20 mg/kg/ day in divided doses <u>t.i.d.</u> Drops: Under 6 kg (13 lbs): 0.5 ml <u>t.i.d.</u> ; 6-8 kg (13-18 lbs): 1 ml <u>t.i.d.</u>	
infections of the skin and soft tissues	Streptococci, susceptible staphylococci and E. coli	250 mg <u>t.l.d.</u>	Oral Suspension: 20 mg/kg/ day in divided doses t.i.d. Drops: Under 6 kg (13 lbs): 0.5 ml t.i.d.; 6-8 kg (13-18 lbs): 1 ml t.i.d.	
Severe infec- tions, or infections caused by less susceptible organisms		500 mg <u>t.i.d.</u>	Oral Suspension: 40 mg/kg/ day in divided doses <u>t.j.d</u> .	
Gonorrhea, acute uncom- plicated anogenital and urethral infec- tions (males and females)	N. gonorrhoeae	3 grams single oral dose		

Note: Children weighing more than 8 kg (18 lbs) should receive the appropriate dose of the Oral Suspension; 125 mg or 250 mg/5 ml. Children weighing more than 20 kg should be dosed according to adult recommendations.

Before prescribing, please consult complete product information, a summary of which follows:

serum sickness-like reactions may be controlled with antihistamines and, if necessary, systemic

Indications: Infections due to susceptible strains of the following gram-negative organisms: H. influenzae, E. coli, P. mirabilis and N. gonorrhoeae; and grampositive organisms: streptococci (including Streptococcus faecalis), D. pneumoniae and nonpenicillinase-producing staphylococci. Therapy may be instituted prior to obtaining results from bacteriological and susceptibility studies to determine causative organisms and susceptibility to amoxicillin.

Contraindications: In individuals with history of allergic reaction to posicilling

tion to penicillins.

WARNINGS: SERIOUS AND OCCASIONALLY FATAL HYPERSENSITIVITY (ANAPHYLACTOID) REACTIONS REPORTED IN PATIENTS ON PENICILLIN THERAPY. ALTHOUGH MORE FREQUENT FOLLOWING PARENTERAL THERAPY, ANAPHYLAXIS HAS OCCURRED IN PATIENTS ON ORAL PENICILLINS. MORE LIKELY IN INDIVIDUALS WITH HISTORY OF SENSITIVITY TO MULTIPLE ALLERGENS. BEFORE THERAPY, INQUIRE CONCERNING PREVIOUS HYPERSENSITIVITY REACTIONS TO PENICILLINS, CEPHALOSPORINS OR OTHER ALLERGENS. IF ALLERGIC REACTION OCCURS, INSTITUTE APPROPRIATE THERAPY AND CONSIDER DISCONTINUANCE OF AMOXICILLIN. SERIOUS ANAPHYLACTOID REACTIONS REQUIRE IMMEDIATE EMERGENCY TREATMENT WITH EPINEPHRINE, ADMINISTER OXYGEN, INTRAVENOUS STEROIDS AND AIRWAY MANAGEMENT, INCLUDING INTUBATION, AS INDICATED.

Usage in Pregnancy: Safety in pregnancy not established.
Precautions: As with any po-

Precautions: As with any potent drug, assess renal, hepatic and hematopoletic function periodically during prolonged therapy. Keep in mind possibility of superinfections with mycotic or bacterial pathogens; if they occur, discontinue drug and/or in-

Adverse Reactions: As with other penicillins, untoward reactions will likely be essentially limited to sensitivity phenomena and more likely occur in individuals previously demonstrating penicillin hypersensitivity and those with history of allergy, asthma, hay fever or urticaria. Adverse reactions reported as associated with use of penicillins: Gastrointestinal: Nausea, vomiting, diarrhea. Hypersensitivity Reactions: Erythematous maculopapular rashes, urticaria. NOTE: Urticaria, other skin rashes and

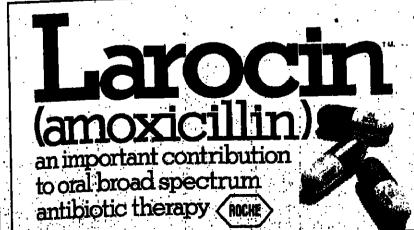
may be controlled with antihistamines and, if necessary, systemic corticosteroids. Discontinue amoxicillin unless condition is believed to be life-threatening and amenable only to amoxicillin therapy. Liver: Moderate rise in SGOT noted, but significance unknown. Hemic and Lymphatic Sustems: Anemia, thrombocyto-

known. Hemic and Lymphatic Systems: Anemia, thrombocytopenia, thrombocytopenic purpura, eosinophilia, leukopenia, agranulocytosis. All are usually reversible on discontinuation of therapy and believed to be hypersensitivity phenomena.

Dosage: Ear, nose, throat, genitourinary tract, skin and soft tissue infections-Adults: 250 mg every 8 hours. Children: 20 mg/ kg/day in divided doses every 8 hours; under 6 kg, 0.5 ml of Pediatric Drops every 8 hours; 6-8 kg, 1 ml of Pediatric Drops every 8 hours. Lower respiratory tract infections and severe infections or those caused by less susceptible organisms - Adults: 500 mg every 8 hours. Children: 40 mg/ kg/day in divided doses every 8 hours; under 6 kg, 1 ml of Pediatric Drops every 8 hours; 6-8 kg, 2 ml of Pediatric Drops every 8 hours. Gonorrhea (acute uncomplicated anogenital and urethral infections)—Males and females: 8 grams as a single oral dose. NOTE: Children weighing more than 8 kg should receive appropriate dose of oral suspension 125 mg or 250 mg/5 ml. Children weighing 20 kg or more should be dosed according to adult recommendations.

Note: In gonorrhea with suspected lesion of syphilis, perform dark-field examinations before amoxicillin therapy and monthly serological tests for at least four months. In chronic urinary tract infections, frequent bacteriological and clinical appraisals are necessary, Smaller than recommended doses should not be used. In stubborn infections, several weeks' therapy may be required. Except for gonorrhea, continue treatment for a minimum of 48-72 hours after patient is asymptomatic or bacterial eradication is evidenced. Treat hemolytic streptococcal infections for at least 10 days to prevent acute rheumatic fever or glomerulonephritis.

Supplied: Amoxicillin as the trihydrate: Capsules, 250 mg and 500 mg; oral suspension, 125 mg/5 ml and 250 mg/5 ml; pediatric drops, 50 mg/ml.



حك أمن القطر

San Francisco-Even though treatment for alcoholism may not lead to tained both from the 73 who returned abstinence, it may have a significant rehabilitative effect, a two-year followup study has shown.

M. I. Kammeier, of the Hazledon Foundation, Center City, Minn., reported at the North American Congress on Alcohol and Drug Problems that the lives of former patients have improved, even if they still drink.

In their own evaluation and in that of persons close to them, former patients tend to be positive and optimistic, he said. The majority are happier and feel better about themselves than before treatment, the study found.

Questionnaires were sent to 143

former patients three and a half years drink, it was learned, but not so frethe questionnaires and from persons close to the former patients who could confirm drinking patterns.

Most of the former patients still

after treatment, and data were ob- quently as before. Several, however, are drinking more than previously,

Mr. Kammeier noted that most of those who still drank do so in the same places, at the same time, and with the same beverages.



In this age of synthetics you can choose a <u>natural</u> vegetable laxative

Senokot tablets granules



EDITORIAL CAPSULES

. . . brief summaries of editorials or comments in current medical and scientific journals.

On Virginia Apgar

" . . . Despite her fame from the Apgar score, she never anticipated that her name would become part of it. Nor was she defensive about it. If someone were to suggest that the scoring system had outlived its usefulness or should be revised, she would be the first one to agree.

"She had an extraordinary ability to ferret out the essentials and to cut into the core of a problem. She was the first person to catheterize the unbilical artery in a newborn infant ... the whole area of newborn intensive care would not be where it is today were it not for Virginia.

"She achieved her greatest visibility in later years in her drive to educate the whole country about the need for early detection of birth defects. She almost never turned down an invitation to speak, no matter how small or insignificant the group, and her life became one long juggling act to fit speeches and site visits, professional consultations and chapter meetings, media interviews and international congresses into her impossible schedule. She was the finest ambassador The National Foundation ever had Undoubtedly, she lifted birth defects from a secret closet and put them firmly on the map. . . ." (Commentary, L. Stanley James, M.D., Pediatrics 55:1 Jan., 1975)

Home Care Ignored

"Health care professionals, think party payers, and government officials continue to extol the advantages of home care. Despite all the lip-service, however, we are unlikely to witness any rapid overall expansion. Even where some support is now available as under Medicare, the relative use of home care continues to decline year by year. For example, during 1969 there were 628,543 approved claims for home health services. . . . By 1973, the number was down to less than 400,000 (based on the first 6 months' experience).

"The reasons are not mysterious. Most physicians are not interested h chronic illness. Most are not interested in home care, even if the visits are actually made by nurses. Most hospital administrators today are primarily concerned with keeping their expensive beds filled. And most thirdparty payers, public as well as private, are primarily concerned with keeping Physician and hospitals happy or at least off their backs! Even the national government administration, with its continual scolding of physicians and hospitals for rising costs, is unwilling or unable to exercise the leadership involved in a real reorder ing of national health priorities away from inpatient care toward the kind of program described by Dr. Brickner [Ann. Int. Med. 82:1, Jan., 1975]. (Editorial, Anne R. Somers and Nanc) H. Bryant, R.N., M.P.H., Ann. Int. Med. 82:111, Jan., 1975)

'Blues' Battle for Lives Against US Takeover Continued from page 1

traditional relationships with hospitals and physicians. Back in October, Blue Cross Associ-

Wednesday, March 12, 1975

nounced a seven-part strategy to curb hospitalization costs which all member plans were urged to adopt by July 1975. Although the announcement is certainly timed with an eye toward public relations—in fact, none of the elements are new-it does mark the first time such a bald, adversary position has been articulated at the national

Prospective Reimbursement

Among the stipulations: that hospitals negotiate their prices in advance; more stringent use of utilization review of hospital admissions and stays to make sure every patient gets no more care than needed; requiring independent auditors and full and regular disclosure by hospitals of their cost and accounting methods; and mandatory measures to prevent duplication of facilities and services.

Prospective reimbursement - the main thrust of the program—has been voluntarily adopted by hospitals in only 15 plans so far, although some plans have had several years experience with the technique. Blue Cross-Blue Shield of Greater New York, for example, has used prospective reimbursement since it was mandated by state law in 1969. Dr. Peter Rogatz, plan senior vice president, calls the technique "the main tool in increasing hospital efficiency" because the agreed upon rate "is what it would cost that hospital if it were operating at an efficient level. They won't get higher than that specified level from us."

Prospective reimbursement has built-in incentive-penalty mechanism which works somewhat differently in different plans. "If the hospital is able to bring the cost in lower," explains Robert Schuler, vice president of Blue Cross of Western Pennsylvania, "it can keep half of the savings. If the costs run over, the hospital is reimbursed one-half of every dollar that goes over the prospective payments."

Efficacy Questioned

But questions have been raised about the efficacy of prospective reimbursement. "If the problem of rising hospital costs were primarily one of inefficiency or incompetence, cost incentives and penalties would be a helpful reform," writes attorney Sylvia Law, principal way they see fit."

But the Blues are attacking cost and to be evaluated cumulatively.

At the top of the list will be their levelopment of Health Maintenance Organizations. Blue Cross currently tallies 53 HMOs that it has helped launch and expects to expand that num- latrative people who know the health

ber to 280 by the end of the decade. field and how to deal with out-of-area Meanwhile. Blue Shield boasts 17 op- benefits and transfer rights is willing

Such enthusiasm for the HMO con- Cross can play one hell of a role." ation president Walter McNerney an- cept has drawn the accusation from some quarters that the Blues are mov- When the carriers attempted to market market place and we want it to be pated 20 per cent. there. We're sick and tired of everybody talking about HMOs and nobody doing them.

> nating by default is not any more advocacy. "Since we added a supplepalatable to some observers like Duke mental marketing force to push our University Law Professor Dr. Clark product," relates Dr. Harold H. Gard-Havighurst who thinks participation of health insurers in the HMO movements should be banned entirely. Quoted in Blue Cross: What Went Wrong?, Dr. Havighurst expressed fear that the Blues "might in some communities come to sell the bulk of the health insurance while also controlling the major HMO and reinsuring the competing HMOs against excessive

Rochester, N.Y., Situation

In fact, in Rochester, N.Y., the Gennessee Valley Group Health Association, developed by Blue Cross/Blue Shield, with a \$3 million health center. financed with Blues' reserves, "competes" with Health Watch, sponsored by the county medical society, and the Rochester Health Network, an association of community health centers, both of which are underwritten by the Blues. In addition, the Blues controlled 85 per cent of the market with standard coverage prior to the HMOs' advent.

Since the HMO law stipulates that employers must offer HMOs if available as an alternative form of health coverage, the question has been raised of whether a Blue Cross HMO and a Blue Cross insurance plan offered side by side meet the employer's obligation. Dr. Havighurst thinks not. "It's not really an option," he says, "The purpose behind the law was to stimulate more competition. I would hope that the HEW regulations on HMOs clarify whether the employer can get by with hese two choices.'

But the employer may have little alternative. Private enterprise has been discouraged from entering the HMO market, some claim by the Blues themselves. In Philadelphia where Blue Cross serves as the underwriter and fiscal intermediary for one HMO and author of Blue Cross: What Went has a close working relationship with Wrong? "The basic issues in cost con- another, Dr. Newton Spencer, Chairttol are questions of priorities, alloca- man of the board of Health Service tion of resources, and allocation of the Plan of Pennsylvania, a nonprofit corpower to make these judgments. New poration attempting to develop HMOs, feel, is the answer to the long-standing York's Cost Control Act does nothing claims obstruction by Blue Cross into affect these issues. Hospitals retain cluding efforts to dissuade labor from unfettered freedom to effect savings or switching over, and steadfast refusal by to limit the increase in costs in any the carrier to work out a cooperative arrangement on hospital insurance.

More generally, private enterprise is quality control problems from a num- hampered by lack of access to markets, ber of different angles at the same time the need for a tremendous amount of and, ultimately, their efforts will have capital and the pressures of a business that can't afford to grow slowly.

"HMOs aren't going to get of the ground," predicts Walter McNerney, unless someone with our marketing expertise, contacts, and core of admin-

erational alternative delivery systems. to get involved. That's where Blue

But the Blues have plenty to learn. ing to dominate the HMO market. three HMOs alongside their own plan "That's obviously not our intent," in Rochester, N.Y., initial enrollment Walter McNerney snaps. "The HMO for the trio was a meager one per cent is a very important alternative in the of the market rather than the antici-

The problem: Not only was the standard coverage excellent, but the three new plans were marketed in a The prospect of the Blues domi- neutral, disapassionate way without any ner, Medical Director of the Genesee Vailey Group Health Association, "sales have been going very well."

The Blues are also learning things about marketing the concept to physicians. Although the carriers say they do not favor one form of HMO over another, it is clear that the most appealing to doctors is the foundation, open-panel type, "This does nothing to solve the access to care problem or come to grips with increased physician productivity," criticizes Leo E. Suycott. president of Blue Cross of Wisconsin, which has developed two closed-panel HMOs that have had so much difficulty with physician acceptance that Blue Cross is holding the line on development of any more HMOs until the problems can be worked out.

A major obstacle is the fact that Wisconsin is the showcase for what Blue Shield calls its Individual Practice Association model, an open-panel HMO with a combined capitation and fee-for-service system, with 20 locations which has attracted 97 per cent of the physicians in 22 counties and a membership of 63,000.

"We feel this will have the most physician acceptance," says participat-ing internist Dr. Blake Waterhouse who is promoting the Health Maintenance Plan around the country. "It has the best chance of making an impact on the delivery system. It's very much a patient-oriented program. It continues to provide quality care without sacri-ficing any freedom of the patient to select, reject or change physicians."

Then too, the fact that the driving force behind it is Blue Shield rather than Blue Cross may have something to do with it. "In Blue Shield sponsored HMOs," Len Caramela, Blue Shield's Director of Alternative Delivery Systems, feels, "there is greater potential for physician acceptance."

The Wisconsin plan, some observers problem of third party financing of office visits. "We have found that the physician is not really opposed to accepting third party money for primary care," notes Roger Graham, former director of research and planning at the Wisconsin Blue Shield plan. What he is really opposed to is the idea of being employed by some arbitrary outside institution."

At one time, according to Anne R. Somers, Associate Professor of Community Medicine at Rutgers Medical would save the private sector from canning.

Mobile Isolator



A miniature space suit, developed by NASA, is being tested as a prototype of an isolation garment that may allow immunity-deficient children to leave their sterile habitats for a look at the outside world. Filtered ventilation is provided by batterypowered blowers on an accompanyng pushcart.

annihilation or restriction at the hands of national health insurance. "They thought that if you could build competition in and get more managerial efficiency while keeping costs down, that there wouldn't be as much of a push for national health insurance," she

Now the Blues see HMOs in a different context. "They might provide increased access once N.H.I. is a reality," speculates Mike Henry, Director of Alternative Delivery Systems for Blue Cross. "Considering the tremendous demand for services, HMOs can provide a higher level of access to care than can the regular system under this

Role for Private Sector

That's assuming that national health insurance will preserve a role for the private sector. Prof. Somers thinks it should. "But," she adds, "a limited role." Some of the controls she would like to see enacted are minimum benefits standards, mandatory ambulatory coverage, and procedural safeguards for the insured with an appeals mechanism for rejected claims.

"By devising a plan that has universal coverage but retains some controlled competition among a limited number of the better private carriers," she says, "I think we can have the best of both worlds. And I think it will come some day."

Botulism Outbreaks Rise

Medical Tribune Report

ATLANTA, GA.—Twenty outbreaks of foodborne botulism, involving 30 cases, were reported in 1974, the largest number of outbreaks since 1935, according to the Center for Disease Control.

The C.D.C. said the rise was proba-School, the Blues felt that HMOs bly related to an increase in home Apresoline...where that ion is in treating hypertension

Apresoline lowers blood pressure by exerting a peripheral vasodilating effect through a direct relaxation of arteriolar smooth muscle.



Doctors who treat hypertension are increasingly interested in the one oral drug that has a mechanism of action exclusively its own — Apresoline.

Apresoline is in an antihypertensive class by itself because it reduces
blood pressure through a unique mechanism. Acting at the ultimate site of
hypertension, it directly relaxes arteriolar
smooth muscle to decrease peripheral
vascular resistance and arterial pressure.
As blood pressure falls, there is an accompanying rise in cardiac output and rate.

panying rise in cardiac output and rate.
Apresoline also maintains or increases renal and cerebral blood flow.

Apresoline minimizes postural hypotension

Nickerson' describes the action of Apresoline as follows:

"A preferential effect on arterioles, as compared to veins, allows the increase in cardiac output and minimizes postural hypotension; the latter is much less than that produced by agents blocking sympathetic nerves."

Apresoline avoids side effects associated with other agents

Such untoward reactions as drowsiness, lethargy, sedation, sexual dysfunction, and exacerbation of mental depression are not usually encountered with Apresoline. However, as with any antihypertensive agent, hydralazine should be used with caution where advanced renal damage exists.

Apresoline helps tailor the regimen to the patient

When Apresoline is added to an existing antihypertensive regimen, it introduces a different and complementary pharmacologic approach to the control of your patients hypertension.

Apresoline thus affords the physician a variety of combinations with which he can construct regimens more closely molded to individual requirements. According to Freis, such a combination of drugs, each with a different antihypertensive mechanism, is the most effective way to control blood pressure. This may also permit lower drug dosages.

Apresoline lends itself admirably to the contem-

Apresoline lends itself admirably to the contemporary antihypertensive rationale and its therapeutic goals: more vigorous and more effective control of blood pressure through a plurality of mechanisms.

Apresoline: used effectively in the VA studies

Apresoline was one of the three basic drugs used in two published VA cooperative studies."

References: 1. Nickerson M: Antihypertensive agents and the drug therapy of hypertension, in Goodman LS, Gilman A (eds): The Pharmacological Basis of Therapeutics, ed 4. New York, The Macmillan Company, 1970, p 729. 2. Freis ED: Hypertension: a controllable disease. Clin Pharmacol Ther 13:627-632, 1972. 3. Effects of treatment on morbidity in hypertension: Results in patients with diastolic blood pressures averaging 115 through 129 mm Hg, Veterans Administration Cooperative Study Group on Antihypertensive Agents. JAMA 202:1028-1034, 1967. 4. Effects of treatment on morbidity in hypertension: II. Results in patients with diastolic blood pressure averaging 90 through 114 mm Hg, Veterans Administration Cooperative Study Group on Antihypertensive Agents. JAMA 213:1143-1152, 1970.

Next page: Apresoline (hydralazine) and the Hypertension Task Force

Apresoline hydrochloride (byllralazine hydrochloride)

INDICATIONS

Essential hypertension, alone or as an adjunct.

CONTRAINDICATIONS

Hypersensitivity; coronary artery disease; mitral valvular rheumatic heart disease.

WARNINGS

Chronic administration of deseave over 400 mg per day may produce an arthritishits average.

Ing to a clinical picture aimulating acute systemic inputs arythematosus. This may also occur at lower doses, Most of these reactions are reversible upon withdrawel of these py, but long-term tradiment with elevids may be necessary and residue may be necessary and residue blood counts, L.E. cell proparations and anti-nuclear antibody titer determinations are inclined before and periodically during prolonged therapy, even though patient is asymptomatic. These studies are also indicated in the presence of any unactivations of any unactivations are also indicated in the presence of any unactivations.

Usage in Premancy
The drug should be used only when, in the jud
ment of the physician, it is deemed assential in
PRECAUTIONS
P

and addition of pyridoxine to the regimen if the torns develop.

Blood dyscrasine, consisting of reduction in his globin and rad cell count, isukupenia, agrain, cytosia, and purpura, have been reported regiments if such abnormalities develop, discontinue his if such abnormalities develop, discontinue his periodic blood counts are advised during protong the rapy.

ADVERSE REACTIONS
Common: Headscher palpitations; sportati, sportati, sportati, can be regiment in the protong of the the protong o

evidenced by paresthesies, numbriess, and tinsling edemai dizziness; framors; muscle cramps; parcholic reactions characterized by depression, discrenation, or anxiety; hypersensitivity (includns real, pricaris, pruritus, fever, chilis, erinralgia, difficulty in miclurition; dyspnes; paralytic leus; hypohadanopathy; splenomegaly; blood dyscrated cell count, leukopenia, agranulocytosis, and purpura; hypotension; paradoxical pressor

DOSAGE initiate therapy in gradually increasing dosages; adjust according to individual response. Start with 10 mg 4 times daily for the first 2 to 4 days, increase to 25 mg 4 times daily for balance of first week. For second and subsequent weeks, increase dosage to 50 mg 4 times daily. For maintenance, adjust dosage to lowest effective level. The incidence of foxic reactions, opticularly the L.E. cell syndrome, is high in the group of patients receiving large doses of Aprasoline.

In a few realistant patients, up to 300 mg Aprasoline daily may be required for a significant antihyper.

tensive effect. In such cases, a lower dosage of Apresoline combined with a thiszide, reserpine, or both may be considered, However, when combining therapy, individual titration is escribial to insure the lowest possible therapeutic dose of each drug, HOW SUPPLIED Tablets, 10 mg (pale yellow, dry-coated); bettles of 100 and 1000. [deep blue, dry-coated); bettles of 100, 500, and 1000.

100, 500, and 1000.

Tablets, 100 mg (psach, dry-coated); bottles of 100.

Consult complete literature before prescribing.

CIBA Pharmacoulical Company
Division of CIBA-GEIGY Corporation

Summit, New Jersey 07901

CIBA

Let 031 -

Apresoline... [hydralazine]

part of the Hypertension Task Force "plan of action"

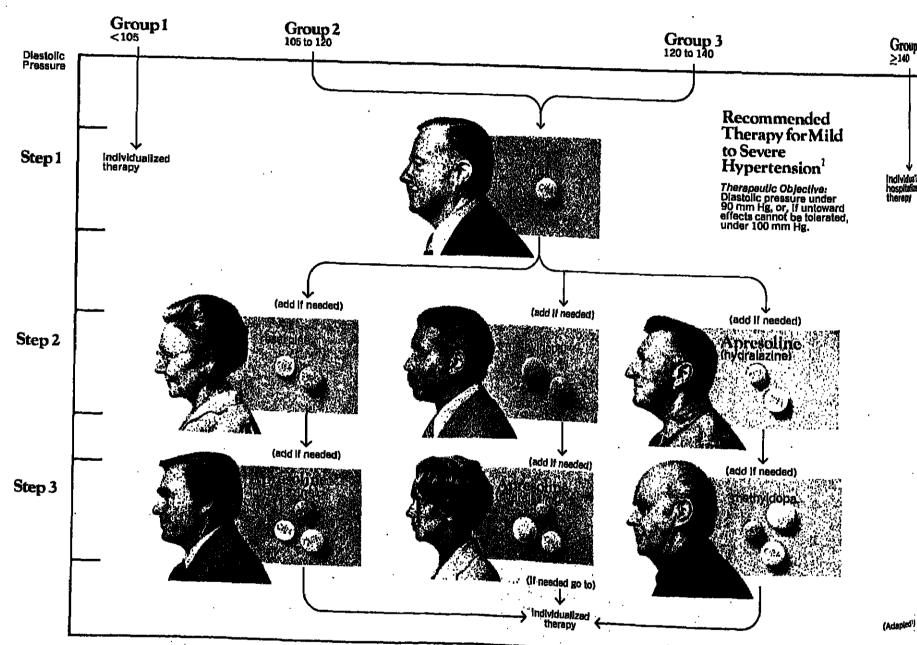
In September 1973, Task Force I of the National High Blood Pressure Education Program recommended a series of antihypertensive regimens for groups with hypertension ranging from mild to severe. Hydralazine-used in combination with sympathetic-inhibiting and/or diuretic antihypertensive

agents—was a specific recommendation for "second step" and "third step" therapy in patients with diastolic pressures ranging from 105 to 140 mm Hg.

Hydralazine played a prominent role in the Task Force regimens because of its compatibility with almost any antihypertensive regimen. For

Apresoline can be combined advantageously with nearly all diuretics and

Reference: 1. Report of Task Force I, National High Blood Pressure Education Program: Recom-mendations for a National High Blood Pressure Program Data Base for Effective Antihyper-tensive Therapy, Sept 1, 1973, OHEW Publication



Apresoline [hydralazine] ... acts directly at the ultimate site of hypertension ...brings something special to almost any antihypertensive regimen

For brief prescribing information please see preceding pages.

justly and without prejudice." own viewpoint. Unstable Angina

Clinical Quote: "A logical corol- as for patients with stable angina—lary from these observations is that that is, the relief of symptoms." (Dr. the indications for surgery in patients C. Richard Conti, et al, at American with unstable angina may be the same College of Cardiology, see page 1.)

Overmassage of Raw Data

A American Association for the Ad- were properly calibrated, to name a vancement of Science, Mary L. Good, few.' Ph.D., Boyd Professor of Chemistry at the University of New Orleans and a ments, is not necessarily hard, and not director of the American Chemical So-necessarily fact. Dr. Oser adds that "It ciety, referred to the overmassage of is not uncommon, however, that difraw data by computer techniques. She was speaking at a symposium on "Responsibilities in the Use and Misuse of Scientific Data" and, in this instance, stated that some "currently utilized data reduction techniques are so intricate and complex that there is no many scientists about the common misdoubt that in many cases data is syn- use of scientific data was surely the thesized and/or expanded beyond its reasonable expectation values by such computer techniques. It gets increas-

The Only Independent Weekly Medical Newspaper in the U.S.

Medical Tribune

and Medical News

But even when data has not been calculated by computerized reduction techniques, it is not necessarily "hard." At the same symposium, Bernard L. Oser, Ph.D., former chairman of Food & Drug Research Laboratories, Inc., noted that "scientific data" in the strict sense means "observations and findings, which are generally expressed in numerical or descriptive terms." He then went on to observe that "even when correctly reported, 'data' are not necessarily equatable with 'facts.' Implicit in the latter term are the accuracy and reproducibility of findings and the competence and integrity of those responsible for the design, execution, and interpretation of the studies. Validity of the conclusions may depend on such critical factors as whether the right questions were mental conditions were used, and

thors are reporting hard data or cal-

culated data."

T THE 141st annual meeting of the whether measuring devices or reagents

So data, even observed measureferences found to be statistically significant on the basis of some arbitrary standard of comparison are intuitively believed to be unreasonable in the judgment of experienced investigators."

The disillusionment expressed by stimulus for holding the symposium at the AAAS meeting. Dr. Good was disturbed by a failure "to clearly disingly difficult to determine whether au- tinguish between scientific data which has been carefully measured or calculated and the opinions that we may have as to the significance of particular results to the public welfare." She emphasized that factual findings are repeatable by other workers but that "interpretation of that data in terms of its impact on society" is often debatable and subject to contrary emphases

It is important to focus on the creditability of published data, on confidence limits and the hazards of drawing unrealistic conclusions. It is important to do so not only in regard to warnings about imminent hazards to our external macrobiosphere but also with regard to our internal microbiosphere as well. There is also the hazard that well-intentioned crying of wolf repeatedly-where there is no real wolf at hand-will ultimately create incredasked, whether appropriate experi- ulity and disbelief when warnings are warranted and rational.

Anonymity

PROPOSAL OF extraordinary merit So far, so good. But the letter writer A was recently made in the corres- took a giant step further and added pondence section of Nature. The letter "that all papers be not only reviewed writer suggested that "the best way to but also published anonymously." He obviate the misuse of the unilateral felt that this would reduce the number anonymity granted to reviewers is to of unnecessary publications, diminish extend anonymity to authors as well. the "status" of being a prolific writer, When the reviewers get a paper from etc., etc. But, doubtless, with that fatal authors are or what their affiliation is, they would find less pleasure in mak-questing that scientists be saints or ing unnecessary and uncivilized re- saintlike when, at best, they are human. marks. In addition, the reviewers What is more, the letter itself was would be able to judge a paper more signed, casting doubts on the writer's

ing plans are: reporting and disclosure; participation and yeating; fiduciary re-

LETTERS, TO TRIBUNE

Reviewing Pension Reform

The article entitled "Pension Reorm" by Charles Billman (MT, Oct. 2), includes a statement that is completely different from everything we have heard so far. It is so important a nisstatement that I urge you to correct immediately.

He states "The provisions that have the greatest impact on pension and profit sharing plans of professional corporations are:"

The differences between pension plans and profit sharing plans are enormous and the law applies only to pension plans. The law does not place the restrictions on profit sharing plans

Unless he has information not available generally, perhaps it would be well to tell your readers what the situation really is in this important matter.

WILLIAM F. POLLOCK, M.D. Surgical Medical Group of Santa Monica, Inc. Santa Monica, Calif.

In general, Dr. Pollock's thesis is correct, in that most of the provisions of the Pension Reform Act of 1974 do, in fact, relate to pension plans, rather than profit sharing plans. However, he is incorrect if he assumes that the Act does not impose new regulations with respect to profit sharing plans.

Act Section 3 (2) defines an "em-

ployee pension benefit plan" or "pension plan" to mean "any plan, fund, or program which was heretofore or is hereafter established or maintained by an employer or by an employee organization, or by both, to the extent that by its expressed terms or as a result of surrounding circumstances such plan, covered employment . . . ".

Therefore, the provisions of the Act do, in fact, enure to profit sharing plans as well as pension plans. Dr. Pollock should be advised that most of the. troublesome provisions relating to funding, pension termination insurance, actuarial reporting, etc. do not apply to

profit sharing plans.

Those provisions which do directly sponsibility; administration and en-

istration and information; and prohibited transactions, to name only a

We certainly hope that the above clarifies the application of the provisions of the Employee Retirement Income Security Act of 1974, with respect to profit sharing plans. It is our opinion that all professional corporations should review their existing pension and profit sharing plans in order to thoroughly review the amendments which MUST be made to all qualified retirement plans.

CHARLES R. BILLMAN President, Certified Plans Newport Beach, Calif.

DWI and Penalties

Re your article on drinking drivers (MT, Nov. 6, 1974): As one who is concerned about the whole problem of alcoholism it seems to me after conviction, and in addition to other penalties, the car driven by the individual under the influence of alcohol should be impounded for several weeks. Impoundment could be applied to persons driving under the influence of drugs, or lying when license has been sus-

Oklahoma has a law confiscating vehicles of persons convicted of poaching. However, the lawyers on the legislative council were cool to impounding cars for DWI (driving while intox-

> ROCER REID, M.D. Ardmore, Okla.

H.E.W. Money-Saving

Your full page excerpts of Confund, or program provides retirement - gressman Flood's talk at the Lasker income to employees, or results in a de- Medical Research Awards Luncheon the editor but have no idea who the authors are or what their efficiency is rious suggestion. In effect he was re- ods extending to the termination of day" (MT, Dec. 11, 1974), winds up with the excellent invitation to advise him and his Sub-Committee on Labor and H.E.W. on ways for them to save

> I therefore suggest to Congressman Flood—and his Subcommittee—that billions of taxpayers dollars can be saved by removing the ill-conceived Department of H.E.W. from our Public Laws because it has no legal basis apply to all plans, including profit shar- for its existence under the Constitution of the U.S.A.

A. G. BLAZEY, M.D. Washington, Ind.

Contraindications: Severe central nervous system depression, cometose states from any cause, hypertensive or hypotensive heart dispase of

Warnings: Administer cautiously to patients who have previously exhibited a hypersensitivity reaction (e.g., blood dyscrasies, jaundice) to phenothiazines. Phenothiazines are capable of potentiating central nervous system depressants (e.g., anesthetics, opiates, alcohol, etc.) as well as atropine and phosphorus insecticides. During pregnancy, administer only when the potential benefits exceed the possible risks to mother and fetus.

Precautions: There have been infrequent reports of leukopenia and/or agranulocytosis and convolving selzures. In epileptic patients, anticonvulsant medication should also be maintained. Pigmentary retinopathy may be avoided by remaining within the recommended limits of dosage. Administrate cautiously to patients participating in activities requiring complete mental elertness (e.g., driving), and increase dosage gradually. Orthostatic hypotension is more common in females than in males. Do not use epinephrine in treating drug-induced hypotension since phenothiazines may induce a reversed epinephrine effect on occasion. Daily doses in excess of 300 mg. should be used only in severe neuropsychiatric conditions.

Should be used only in severe neuropsychietric conditions.

Adverse Reactions: Central Nerveus System—Drowsiness, especially with large doses, early in treatment; infrequently, pseudoparkinsonism and other extrapyramidal symptoms; nocturnal confusion, hyperactivity, lethargy, psychotic reactions, restlessness, and headache. Autonomic Nerveus System—Dryness of mouth, blurred vision, constipation, nauses, vomiting, dierrhea, nasal stuffiness, and pallor. Endecrine System—Galactorchea, breast engorgement, amenorchea, inhibition of ejaculation, and peripheral edema. Skin—Dermatitis and skin eruptions of the urticarial type, pholosensitivity. Cardiovascular System—ECG changes (see Cardiovascular Effects below). Other—A single case described as parotid swelling.

Wednesday, March 12, 1975

ing the infusion.

Dr. Hugh Holtrup arranged for her

admission for abortion by saline in-

fusion; she was introduced to Dr.

Edelin because he would be supervis-

Gestation '20-22 Weeks'

Several days later, on October 2,

the patient was admitted to the saline

unit where Dr. Edelin examined her.

He testified that he "found the fundus

cus," and from this he estimated ges-

In trying to insert a needle into the

amniotic cavity as a preliminary, he

repeatedly drew blood. From this he

made a presumptive diagnosis of an

anterior placenta, so he tried to insert

the needle from another point in the

At this point he consulted with Dr.

James Penza, co-director of the unit.

Dr. Penza said he would try to start

an infusion the next morning in the

operating room; if he failed, Dr. Ed-

Infusion Attempts Fall

Dr. Penza's infusion attempts did

fail and Dr. Edelin went ahead with

the surgery. To avoid the placenta he

chose to make a small, vertical incision

He testified that the incision was

three or four centimeters, or just wide

enough to accept two fingers, which he

used to sweep along the walls of the

uterus in an effort to loosen and re-

move "all the products of conception"

This didn't work, the sac broke, and

This is the so-called "live-birth rule"

that evolved in law over the years, be-

her womb, or if a man beat her where-

no murder, but if the childe be born

alive and dyeth of the potion, battery,

or other cause, this is murder; for in

law it is accounted a reasonable crea-

ture in 'rerum natura,' when it is born

Dr. Edelin's defense attorneys—Wil-

as low into the uterus as possible.

elin would then proceed to do a hys-

one finger breadth above the umbili-

tation at 20 to 22 weeks.

abdomen, with no success.

slaughter, the Commonwealth of Mas- tions at the city hospital increased sachusetts reflected the angry pressures markedly, and then, in June, the bulk of the antiabortion forces in the state. of physicians willing to do abortions Similar efforts are underway in other finished their training and left B.C.H. states as militant "right-to-life" groups seek legal status for the fetus, in order hospital in July generally refused to to discourage M.D.s performing abor- perform this service. Nine of the 13 tions by making them subject to possible murder charges.

Dr. Edelin appeared to be a natural the procedures are considered unintarget for Boston antiabortion groups. As chief resident on the Boston University obstetrics and gynecology unit special three-bed saline abortion unit at Boston City Hospital, he and an- within the hospital to handle second other physician had been doing most semester abortions as expediently as of the second trimester abortions there. possible.

When the Supreme Court handed

In accusing Dr. Edelin of man-number of women requesting abor-

The new residents who came to the were Roman Catholic and presumably had moral reservations. In addition,

As a result, Dr. Edelin set up a

In a talk he gave before the trial



watch clock for 3 min., as state said. Before prescribing or esiministering, see Sendoz literature for full product infor-mation. The following is a brief summery.

> setts antiabortion groups.
>
> Coincidentally in June, 1973, an atticle appeared in the New England tain antibiotics in passing the placen-tal barrier, using aborted fetal tissue.

> Local antiabortionists immediately brought the article to the attention of the Boston City Council and demanded an investigation of the fetal research at

were being held in the B.C.H. morgue.

by Dr. Edelin and, due to what was apparently an administrative oversight, they did not have death certificates as required by state law.

that the fetuses were approximately the same gestational age and weight one had been aborted by saline infusion, the other by hysterotomy.

wrongdoing. slaughter.

He was not charged with illegal abortion. He was accused of causing a viable fetus to suffocate during the performance of a hysterotomy.

Dr. Edelin outlined what happened in the abortion this way in his testimony: In late September, 1973, a 17year-old black woman came to the ob/gyn outpatient department at the hospital requesting an abortion. According to the date of her last menstrual period, she was approximately

Dr. Edelin testified he would have had to twist awkwardly while keeping his hand in patient's uterus in order to

began, he said that for some time he had felt under scrutiny by Massachu-

Journal of Medicine describing research at B.C.H. on the efficacy of cer-

the city facility.

Administrative Oversight

During his investigation, Assistant District Attorney Newman A. Flansgan received two anonymous telephone calls, informing him that two fetuses

Both had been aborted in October

Mr. Flanagan decided to include Dr. Edelin in his investigation. He found

Mr. Flanagan concluded that there was nothing incorrect about the fetus aborted by saline process because it bad no chance to survive. The fetus delivered by hysterotomy, he concluded, was large enough to have been viable and its death implied criminal

After several more months of investigation (MT, April 3, 1974) and a lengthy grand jury hearing in early 1974, the four physicians involved in the antibiotic research were indicted under an 1814 grave-robbing statute. Dr. Edelin was indicted for

18 weeks pregnant; examination by he was forced to grasp the fetal legs several of the house staff put the geswith his fingers and withdraw it, he tational age anywhere from 20 to 23 told the court.

beat, found none, and passed it to a ally takes place when the placenta is basin held by the scrub technician be- detached and the fetus is on its own. fore turning his attention back to his

Dr. Enrique Gimenez-Jimeno had also examined the young patient when she was admitted and he found the fundus to be four finger breadths above the umbilicus, making her 24 weeks pregnant, he believed.

Dr. Gimenez-Jimeno appeared at the trial as the prosecution's star witness. A native of Mexico and a resident on the ob-gyn staff at B.C.H., he said he is sympathetic to the Rightto-Life movement, and refuses to do

He testified that he "couldn't believe" Dr. Penza and Dr. Edelin were The defense opened its case with the going to abort a fetus he thought might be viable, so he made a point of observing the hysterotomy.

He told the court that he saw Dr. Edelin insert his "entire hand" into the uterus and make the vigorous motion designed to detach the placenta. "Then," he said, "with his hand still inside the uterus but not moving, Dr. Edelin waited for at least three minutes" while watching the operating room clock across the room.

If the fetus had been alive, Dr. Gimenez-Jimeno said, this would have prevented it from breathing.

After the three minutes had passed, he said, he saw Dr. Edelin remove the placenta and the baby," which showed "no signs of life."

This was the testimony on which the Commonwealth built most of its

All together, the Commonwealth called 14 witnesses in the effort to establish that the fetus was of a weight Dr. Edlin testified that he checked and gestational age to be viable, that the fetus for signs of life and heart- it took a breath, and that birth actu-

> Cross-examination by defense attorney Homans found that at least five of the prosecution witnesses were involved in the anti-abortion movement.

Directed Verdict Sought

After the prosecution rested its case on January 29, the defense presented a long and carefully researched argument in support of its request that the judge make a directed verdict. The basis of its argument was that the Commonwealth had not produced sufficient evidence that the fetus was viable to overturn the "live birth" rule.

Judge McGuire denied the request. unusual strategy of calling the defendant to the stand as its first witness.

Dr. Edelin contradicted sharply some of the statements made by Dr. Gimenez-Jimeno. Asked by Mr. Homans about the placement of the clocks in the operating room-which his colleague had accused him of watching for three minutes-Dr. Edelin replied that the clock and timer were on the wall behind him.

However, he added, "both of them had not been working for some time; in fact, to the best of my memory, they may have been out for repair that day.'

He also explained that the anesthesia hook-ups dictated that a righthanded physician would have to stand with his back to the clocks.

Sweeping the accumulation of textbooks and notes from the long oak table used by the defense, Mr. Homans asked Dr. Edelin to demonstrate for the jury the position he would have had to take to watch the clock as Dr. Gimenez-Jimeno had testified, if his left hand was in the uterus.

To peer at the clock, which according to his testimony and photographs was behind his left shoulder, Dr. Edelin had to twist his body awkwardly away from the patient and crane his

Whether Alive at Abortion

In his cross-examination, the asistant district attorney pressed the physician on the matter of whether or not the fetus was alive at the time of abortion. The physician said he had registered a fetal heartbeat of 140 three days earlier but did not check for heartbeat just prior to surgery.

Finally, Mr. Flanagan asked the young obstetrician whether or not he had a duty to protect the life of the fecus in an abortion.

His first duty is to the mother, not the fetus, Dr. Edelin replied. He said that attempting to save the life of a contrary to the purpose of abortion.

An obligation he might have to the fetus could only begin after its removal from the aterus, he told the court. "If in the eventuality that I ever delivered a liveborn fetus, then I would see that it was taken to the nursery. That has always been my philosophy."

Under further questioning, the obstetrician asserted he had never performed an abortion when he believed



the fetus might be viable. "In fact, have refused to perform such abo tions.

After Dr. Edelin, the defense calle 15 more witnesses, 10 of them widel known as experts in their fields, t dispute the prosecution case point b

Dr. Gimenez-Jimeno's testimony about the clock-watching episode was contradicted by the nurse and the medical student who had assisted at the hysterotomy.

Breathing Denied

Two pathologists, Dr. Kurt Benirschke. Professor of Reproductive 1. Medicine, University of California, San Diego and Dr. Arthur Hertig, Professor Emeritus of Pathology, Harvard, testified that on the basis of their microscopic examination of the fetal lung tissue the fetus never breathed air outside the uterus.

Experienced obstetricians, including Dr. R. Gordon Douglas, coauthor of "Operative Obstetrics," and Dr. Jack Pritchard, coauthor of "Williams on Obstetrics"-both texts used by the prosecution as references—testified that Dr. Edelin performed a routine hysterotomy according to good medical practice.

Drs. Douglas and Pritchard and other expert witnesses also supported Dr. Edelin's testimony that in an abortion the primary obligation of a physician is to the patient, not the fetus and supported the defense argumer that abortion, by definition, implithe death of the fetus.

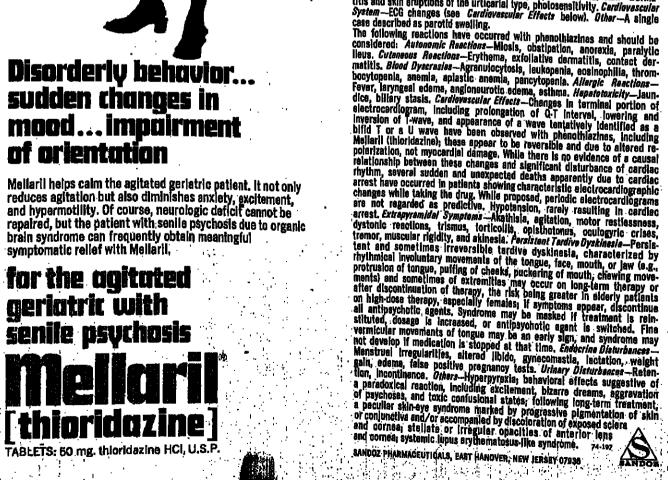
Dr. Jeffrey Gould, director of neborn services at B.C.H., called by ie defense, told the court that in his onion, the fetus was not of sufficient gestational age to live on its own Exfetus he considers unable to survive is cept in rare instances, he said, viaility occurs at about 28 weeks and 000

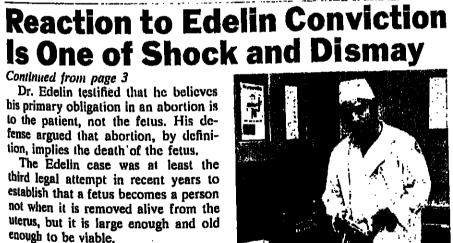
The prosecution had placed the weight of the fetus at 700 gams, based on an autopsy performed by the county medical examiner four nonths after the abortion. Defense testimony put the weight at 600 grams, based on the examination of the B.C.H. pathilogist hours after the abortion.

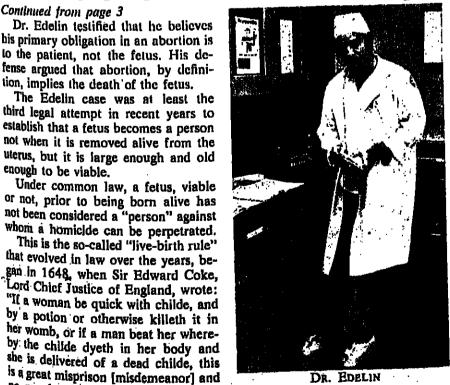
Disorderly behavior... sudden changes in mood...impairment of orientation

Mellaril helps calm the agitated geriatric patient. It not only reduces agitation but also diminishes anxiety, excitement, and hypermotility. Of course, neurologic deficit cannot be repaired, but the patient with senile psychosis due to organic brain syndrome can frequently obtain meaningful symptomatic relief with Mellaril,

geriatric with senile psychosis [thioridazine]







DR. EDELIN

they requested a directed verdict acquittal early in the trial, on the grounds no crime had been committed, that in its 1973 Roe v. Wade abortion decision, "the Supreme Court held that the word 'person' as used in the 14th amendment does not include the unliam P. Homans, Frank Sussman, and Jeanne Baker—also pointed out when born."

The helicopter—here, as seen later at low tide—was flown by an Air Force crew. None of the personnel on board were wearing heavy clothing and all felt halffrozen by the icy waters and biting wind.

Heroic Measures Save Infant in Downed Copter

W HAT STARTED out as a routine flight of the University of Oregon's nconatal emergency transport system recently ended with a plunge into an icy river and heroic measures by medical personnel to save the life of an infant. The Health Sciences Center News reported that 16-day-old Travis McCraw, in an isolette, was being flown to the center because of respiratory distress. Caring for the infant on board the helicopter were Dr. Raul Banagale and Joan Silbernagel, R.N. The baby was receiving oxygen and I.V. fluids when the engine of the helicopter failed. As the craft came down it struck a rock and fell on its side in the Columbia River. In almost total darkness and partly submerged, Dr. Banagale quickly removed the infant. Crew members helped the doctor and nurse wade through waist-deep water to a saudbar about 25 feet away. Crawling into a survival bag, Nurse Silbernagel took off her wet clothes and held the baby close to her body to keep him warni. An oxygen hose was slipped inside the bag and placed in front of the infant's nose, and dry Air Force socks were wrapped around him. The nurse recalls, "The only way to tell for sure if the baby was still alive was to hear him cry, so I kept pinching him." Rescued by another helicopter in about a half hour, the baby recovered quickly.



Travis McCraw appeared no worse for his experiences in the river. He was home in less than a week.



According to Dr. Banagale, shown with Nurse Silbernagel: "We didn't have time to get scared. Everyone's attention was on the baby. When you're so busy taking care of somebody, you don't have a chance to be afraid."

One Man...and Medicine

ARTHUR M. SACKLER, M.D., International Publisher, Medical Tribut



Doctor, are you innocent?

Doctor, are you innocent?

How many doctors can prove innocence, that they never did anything for which they could be charged with manslaughter—in the minds of some? Dr. Kenneth C. Edelin of Boston had obviously been held innocent by a

"jury of his peers," the medical staff of his hospital. Boston City Hospital brought no charge against him. He performed his duties in accord with pital and the dictates of his conscience products they promote. as a physician. He was guilty of nothing except the performance of his duty. Dr. Edelin is as innocent of manslaughter as are most of his fellow physicians and as are the medical and other administrators of his hospital.

Yet Dr. Edelin was found guilty of manslaughter in standing by and denying a fetus oxygen and thereby causing its death.

Guilt and Injustice

There is guilt—the guilt of a society which permits a vicious manhunt against a physician performing his duties in accord with the rules of his hospital, the laws of the land, and the tenets of his conscience. There is guilt, and injustice, when an individual is unfairly singled out to be punished for an interpretation of law established only at his trial. If the medical profession remains silent, it too will share the guilt of hypocrisy which rapes the essence of justice.

Silence will open the doors wider for those "crusaders" whose only sensitivity is to the intensity of their own emotions without regard to the effect upon the rights, the beliefs and the freedom of their fellow citizens. And this goes for "crusaders" of the right as well as of the left. Silence by the "center," by the official and unofficial bodies of medicine, will be consent by

Dr. Edelin was found guilty of manslaughter in standing by and denying a felus oxygen and thereby causing its

Who Else Denies Oxygen?

The cigarette manufacturers of America are guilty of negligence in these terms when the cancer-riddled lungs of a smoker deny him oxygen.

The newspapers and the advertising upon guilible people who want to be unbelieving.

products with sugar and saturated fats necessary oxygen? Or all the other libertarians make their fulsome conwould join the cigarette makers in the ancillary measures to assure that the tribution as they attack medical redifficult problem of trying to prove their innocence as to the cause of the epidemic disaster of American heart attacks which deprive their victims of essential oxygen—and of life itself.

Radio and television, which flooded the nation with the news of a doctor's

might have to stand in the same dock with the newspapers—participants in an act of manslaughter by denying oxthe rules and regulations of the hos- ygen as a result of the damages of the

The automobile manufacturers with their air-polluting engines and the owners of smoking, belching chimneys poison us with carbon monoxide and other disrupters of the oxygen carrying mechanism. They too can be subject to the charge of manslaughter on the same principle; they deny oxygen not just to one fetus but to mothers and their children, born and unborn, and the fathers as well.

Recognizing the True issue

Let's get it straight.

I am against suicide. But I would be the last one on earth to deny an individual dying of an incurable and painful disease his right to confront the end of his life with what he believes to be dignity and peace. I am deeply concerned about the

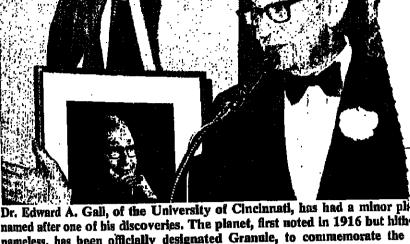
population explosion but I am equally concerned with the attempt of governments to impose their policies by simplistic propaganda in support of sterilization and birth control techniques alone, I maintain the right of each individual to choose or not use contraceptive technology and/or abortion.

I am opposed to cuthanasia. In this, too, I do not stand alone. The Catholic church, some of whose followers have pursued and persecuted Dr. Edclin, has recognized that there is a limit to "the artificial means," some of which stretch the limits of humanity, for keeping people alive.

Dr. Edeiln Is Not Alone Dr. Edelin does not stand alone in

the dock. Doctor, you are there, too. Dr. Edelin's actions were completely consistent with the rules and regulations, the practices and principles of one of the great hospitals of this country, Boston City Hospital. On the other not agree with them? Could they get hand, have you ever slipped? Has it agencies of America are guilty of contributing to manslaughter in helping wittingly and in good conscience, you have gone beyond what Dr. Edelin has done and broken the rules—and are The danger posed is not limited to guilty of manslaughter? Are you sure the "right-to-life" group. The crusad-Food manufacturers who load their that you have always provided the ers of the left and many so-called patient has had the optimal cellular search on a "rights" basis. The popoxygenation?

> has devoted his life to the care of the cel of the same thing the tide of pregnant woman and her child be- anti-science. Many good people as well lieves that a large section of the med- as the Devil quote scripture. But let's



Minor Planet Honors Major Pathologist

named after one of his discoveries. The planet, first noted in 1916 but hith nameless, has been officially designated Granule, to commemorate the covery of a specific granule in lymphocytes by Dr. Gall and to honor his k and distinguished career as a pathologist. Above, Dr. Gall at ceremon honoring him upon retirement.

ing pregnancy in respect to salt and protein intake—that the fetal brain is damaged and that his approach to toxemia of pregnancy could save lives whose loss can be charged to other physicians as "manslaughter."

The Rule of Non-peers

The vulnerability of the medical profession is clearly evidenced in the ising tide of malpractice suits and judgments. There, juries of non-peers rule. The ultimate outcome is the present unreal situation with malpractice insurance rates. It should escape none that the resort to judicial processes in public climates which are constantly swayed by prejudice is no assurance that justice will be done. It would appear that the step from malpractice to manslaughter is a short one indeed.

Those who have made a nightmare of a physician's life, even as he began his practice of healing his fellowmen, can have you in the dock, too.

Have you interfered with the oxygen supply of a 24-week-old fetus? You are guilty. Of what? Of what is now described as a crime. Aren't you also guilty when interfering with the oxygenation of a ten-week-old fetus, or guilty of denying the ovum right to cellular oxygenation which is dependent upon fertilization?

Do you prescribe oral contraceptives? Are you sure you are innocent of a potential charge of manslaughter? "Right you are," I seem to hear the "right-to-life" people say. "That, too, is murder." They have the right to say so, but do they have the right to imprison you and me and others who do a "jury of peers" to convict? They did

Not Only Right-to-Life Group

ulist drive on medicinal drugs with its As for the fetus, let us not forget distortions of medical history and therthat a highly dedicated physician who apeutic perspectives are part and parconviction by a jury of his non-peers, ical profession is guilty of mismanag- not lift out of context "Love thy neigh-

bor", "Judge not lest ye be judg It was two years ago that I w I would not wish to have my life I in the balance of our judicial sys (Med. Trib., Apr. 18, 1973). I h that Dr. Edelin may yet be vindica by higher judicial authorities who penetrate the hypocrisy of our socie the blindness of a jury of non-per and who will render a verdict of a nocent"-the verdict which has bed rendered by the institution in which Dr. Edelin practices.

Oh, how right I was when I wrote, "I cannot shake the lessons of history, political as well as medical. I must conclude that I, for myself or for a member of my family, would prefer to be at the mercy of the average practicing physician or average researcher than to be medically or psychiatrically. at the mercy of either the state or of

IGRAMS—Clinical and Otherwis

But in science the credit goes to the man who convinces the world, not to the man to whom the idea first occurs.

Sir Francis Darwin (1845-1925) First Galton Lecture before the **Eugenics Society (1914)**





Change in Sex Stereotypes Held 'Inevitable Tide of History'

By FRANCES GOODNIGHT Medical Tribune Staff

NEW YORK-The change in male- Advancement of Science. female stereotypes now taking place in this country and elsewhere should be is a series of bifurcations along the derecognized as "not a matter of fashion or whimsy but an inevitable tide of his- individual personality becomes gender-

Medical Psychology, also said it is a versa—the program that nature would early career with postponement of mistake to believe that gender identity otherwise have followed." is so firmly fixed by nature prenatally that it is not "open to options of developmental differentiation."

argue that the idea of changing stereo- augmenting machinery of the indus- control—an invention "as significant types of gender identity/role flies in trial and automation revolution, mak- as the discovery of fire."

doctrine that anatomy is destiny, he strength less important and lactation

velopmental pathway on which an tory," a Johns Hopkins investigator stereotypically imprinted. At any one • A lowering in the age of puberty,

Discussing biosocial reasons for the • The population explosion, with the change in sex stereotypes, Dr. Money need to limit family size,

the face of immutable biology and the ing male-female differences in size and

don't miss next week's

sexual medicine today

Where are we going? After 10 years, Dr. Mary

tion Council of the United States, looks back on

Calderone, of the Sex Information and Educa-

the fight to establish the right to information

and discusses what is needed tomorrow....

America's top experts on sex education.

Part I of this exclusive interview with one of

Questions and answers about vibrators:

Who buys them? How do they work? Do men

and women both use them? Is the phallic type

What therapy would help a young man with

overt homosexual tendencies who wants to be

heterosexual? See Patients' Problems.

a flop? When are vibrators used therapeutically?

about sex; talks about homosexuality, pornog-

raphy; disapproves of what is happening today;

Medical Tribune

SANCE SELECTION

SANCE SELECTION

Medical Tribune

Medica

told the American Association for the and baby-care ability also less impor-

"But in actual fact," he said, "there • Extension of life expectancy, giving women extra years after childbearing and men and women extra years after childrearing.

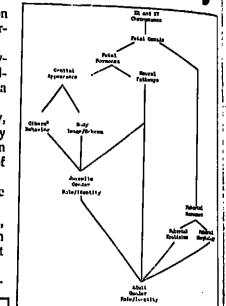
of these bifurcations, 'nurture may meaning that women may choose early John Moncy, Ph.D., Professor of switch from male to female—or vice childbearing with a later career or an

pmental differentiation." cited five contributing determinants:

Some observers of today's scene

The invention of labor-saving and mass-distributed means of birth

Dr. Money then summed up evi-



The sequential action of the component variables of gender identity/rok differentiation, according to Job Money, Ph.D., of Johns Hopkins, who believes that gender identity is not so firmly fixed by nature prenatally that it cannot be changed.

dence for his conviction that "nurture can affect nature in the dimorphism of sexual differentiation."

One classic example of early prenatal environmental intervention, he said, is the fertilized egg cell that is deprived by some means of a Y chromosome.

"The embryo that nature would offerwise have programmed to differentiate as a 46.XY chromosomal male thenceforth is programmed to differentiate as a 45,X chromosomal female," he pointed out. (The Y chromosome can be lost without destroying the cell's viability.)

The investigator noted that this so-called Turner's syndrome has been recorded in one of a pair of monozygotic twins-one child was born with a penis, the other with a vagina.

The 'Adam Principle'

According to the "Adam principle," Dr. Money said, nature decrees that the sexually undifferentiated early embryo, whatever its genetic sex, will dilferentiate as a female unless androgen is added. And since the testis that supplies androgen is differentiated from neutral or ambisexual gonadal tissues under instructions from the Y chromosome, "the line of command is Y chromosome, testis, androgen."

Alteration of the prenatal environment at a critical period at any point in this line can thus prevent or arrest masculine differentiation, he said, allowing the "Eve principle" to take

Prenatal nonmasculinization of the external genitals of the sex-chrom somal male, and masculinization of the sex-chromosomal female, can both occur in human beings, Dr. Money continued. In the female, the usual cause is an excess of androgen supplied by

the fetus's own adrenal cortices. There is now behavioral evidence, he noted, that such prenatal androgent zation of the sex-chromosomal female produces a disposition toward tomboyism, which is "compatible with a feminine differentiation of gender idendoes not include "romantic and erotic

Although fewer studies have been possible on sex-chromosomal males with an insufficiency of the Adam principle, Dr. Money said experiments with rats clearly indicate that feminine sexual behavior results from hormonal nonmasculinization or submasculiniza-

Discussing postnatal differentiation of gender identity/role, the investigator emphasized his belief that sex differences programmed to take place after birth become incorporated as "indelibly" as those taking place before

tity," not socially stigmatizing, and

"Dimorphism of behavior and imagery as masculine or feminine becomes programmed into the central nervous system as firmly as if it were genetically determined although, in fact, it is a product of early social in-teraction," he said, adding that the delivery-room announcement "It's a boy" or "It's a girl" will influence the baby's next 70 to 80 years.

To demonstrate the importance of early postnatal experience, Dr. Money cited his studies on 30 matched pairs of hermaphrodites in which each pair was concordant for diagnosis and prenatal history but discordant for sex of assignment and postnatal history.

Markedly Different Outcomes

Both members of one pair were 46,XY chromosomal males, born with undescended testes and with an incompletely differentiated phallus. One was considered a boy at birth, assigned as a male, and given appropriate rchabilitative surgical and pubertal-hormonal therapy. The other was thought to be a girl and given surgical and hormonal

treatment accordingly.
The outcomes differed markedly, Dr. Money said. The girl differentiated a feminine gender identity/role and "is not remarkably different" from other women, including her romantic and erotic life, while the boy is now a married man with a professional

In another case observed by Dr. Money, one of a pair of identical male twins lost the penis in a circumcision accident. The infant was promptly re-assigned as a girl and in late childhood now has a gender identity/role "quite dimorphically different" from that of

"Cases such as these lead me to the conclusion that the irreducible sex differences are that women menstruate, gestate, and lactate, and men impregnate," Dr. Money said.

Contrary to popular belief, he added, behavioral traits including aggression and parentalism are not sexually absolutely dimorphic even though the thresholds for their elicitation and the effective evoking stimuli may be sexually dimorphic.

most sexually dimorphic behavior

Smallpox Cases Drop

Medical Tribune World Service

Geneva-Only 1,400 cases of smallpox were reported last December throughout the world, according to the World Health Organization. The figure represents a decrease of almost 90 per cent from the total of 12,000 cases reported in December, 1973.

as we know it is the product of cultural history and not of some eternal verity programmed by biology," he said. "As a people, we have a long history of maximizing sex differences in behavior rather than minimizing them. This is a policy that doubtless made good sense in neolithic times and later, but it is a policy which is not serving us very well today. It has become anachronis-

In Dr. Money's view, if society decides to commit itself to a change of the sex stereotypes, the program must begin with childrenring. Gender identity/role has very plastic undifferentiated beginnings at birth, he pointed out, but differentiates in infancy and early childhood "to have great tensile strength and resistance to reshaping, like steel that cools and hardens from the molten state."

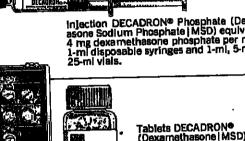
Wayne State Unit Operates 'Sickle Mobile'



The Comprehensive Sickle Cell Center at Wayne State University operates an unusual "Sickle Mobile" to perform many free services quickly and efficiently in different locations. Staff members draw and test blood (above), show an educational film, discuss blood test results, and, if appropriate, provide counseling.

DIVIBION OF MERCK & CO., INC., WEST POINT, PA. 19486 MSD



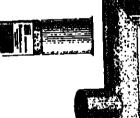


INGESTIBLE



(Dexamethasone | MSD) 0.75 mg, in bottles of 100 and 5-12 PAKe (package of 12).

BREATHABLE



RESPIHALER®
DECADRON® Phosphate (Dexamethesone Sodium Phosphate | MSD)
containing per metered
spray: dexamethasone sodium
phosphate equivalent to
approximately 0.1 mg dexamethasone phosphate or
0.084 mg dexamethasone,
fluorochiorohydrocarbons as
propellants, and alcohol 2%,
in 12.6-g cartridge propellants, and alcohol 2: in 12.6-g cartridge delivering at least 170 sprays and refili cartridge.

DROPPABLE



Sterile Ophthalmic Solution
DECADRON® Phosphate (Dexamethasone Sodium Phosphate (MSD)
0.1% equivalent to
1 mg dexamethasona

SPREADABLE



SPRAYABLE









WARNING
This fixed combination drug is not indicated for initial therapy of hypertension. Hypertension requires therapy titrated to the individual patient. If the fixed combination represents the dosage so determined, its use may be more convenient in patient management. The treatment of hypertension is not static, but must be reevaluated as conditions in each patient warrant.

extreme caution.

Hydralazine: Chronic administration of does over 400 mg daily may produce an arthritis-like syndrome almulating acute systemic lupus erythematosus. This may also occur at lower doses. Long-term treatment with steroids may be necessary and residua have been detected many years later. CBC's. LE. cell preparations, and antinuclear antibody titer determinations are indicated before and periodically during protonged therapy with hydralazine or if the patient develops any unexplained signs or symptoms. Use MAO inhibitors with caution. Hydrochiorathiazide: Use with caution in severe renal disease. In patients with renal disease, in patients with renal disease, injuries may precipitate azotemia. Cumulative effects of the drug may develop in patients with impaired renal function.

Thinzides should be used with caution in actions.

impaired renai function.

Thinzides should be used with caution in patients with impaired hepatic function or progressive liver disease, since minor alterations of fluid and electrolyte imbalance may precipitate hepatic

cytopenia, and possibly other adver-which have occurred in the adult.

Nursing Methers Thiszides cross the placental barrier and appear in cord blood and breast milk.

In cord blood and breast milk.

PRECAUTIONS

Reserpine: Use cautiously in patients with
history of peptic uicer, uicerative collis, or gallstones (bilisery colic may be precipitated).

Exercise caution when treating hypertensives
with renal insufficiency. Use cautiously with
digitalis and quinidine.

Intraoperative hypotension has occurred in
hypertensive patients receiving reuwolife preparations, but withdrawal of reserpine does not
assure that circulatory instability will not occur
in such patients.

Hydralazine: Use cautiously in suspected coronary artary or other cardiovascular disease,
cerebral vascular accidents, and edvanced renal
damage. Postural hypotension may occur, and the
pressor response to epinephrine may be reduced.

Only on antihypertensive provides the threpreferred modes of action.

In treating hypertension, current clinical practice stresses the importance of achieving control of three basic homeostatic mechanisms: fluid volume, sympathetic activity, and arteriolar tone.

Initial treatment most frequently employs one of the thiazides.²⁻⁷

one of the thiazides. 2-7

But if blood pressure resists fluid volume control with thiazides, a second agent with a different mode of action, such as a sympathetic inhibitor (reserpine), may be gradually added. 2-4

Many hypertensives, however, may resist control even with a two-drug regimen.

In such cases, the crucial "third step" in combined therapy is frequently control of arteriolar tone with hydralazine, 2-4

Ser-Ap-Es combines all three steps.

Ser-Ap-Es combines all three steps in a single tablet—all the medication many hypertensives

And when the dosage of each component cor-responds to the dosages pre-established by individualized titration, Ser-Ap-Es may prove more convenient and more economical

Doses of each component in Ser-Ap-Es are lower than when used alone.

Note: Use Ser-Ap-Es cautiously in patients with advanced renal damage or cerebrovascular accident. Discontinue at first sign of mental

Ser-Ap-Es is the only antihypertensive agent that provides the three basic drugs used in two published VA cooperative studies. 3,8

Only Ser-Ap-Es combines control of fluid volume with hvdrochlorothiazide

Hydrochlorothiazide pr vides a modest antihyer tensive effect through cont of extracellular fluid volue and potentiates the activity of other antihypertensive drugs. 5-7

plus control of sympathetic activity with reserpine...

Reserpine decreases blood pressure by interfering with the release of norepinephrine at peripheral sympathetic neuroeffector sites, 5-7

Sympathetic inhibition also produces a central sedative effect especially useful in management of the stress-reactive patient. (b) Schama of norepinephrine depiction at sympathe nervolending

plus direct relaxation of arteriolar smooth muscle with hydralazine...

The unique action of hydralazing lowers blood pressure through diest arteriolar vasodilation to reduce peripheral resistance. 5-7 The decrease in arteriolar resistance is accompanied by maintenance of regional vascular flow, making hydralazine particularly valuable for patients with slightly impaired renal flow.7

ser-Ap-Es

reserpine 0.1 mg hydralazine hydrochloride 25 mg hydrochlorothiazide 15 mg

Peripheral neuritis, evidenced by paresthesias, numbriess, and tingling, has been observed. Published evidence suggests an antipyridoxine effect and addition of pyridoxine to the regimen if symptoms develop. Stood dyscrasias, consisting of reduction in hemoglobin and red cell count, leukopenia, agrenulocytosis, and purpura, heve been reported. If such abnormalities develop, discontinue therapy. Periodic blood counts are advised during probinged therapy.

Hydrochiorothiazide: Periodic determination of serum electrolytes to detect possible electrolyte irribalance should be periormed at appropriate intervals. Observe patients for clinical signs of fluid or electrolyte imbalance (hyponatramia, hypochioremic, elkatosis, and hypokatemia). Serum and urine electrolyte determinations are particularly irriportant when the patient is vomiting excessively or ceceiving parenteral fluids. Medication such as digitalis may also influence or ACTH.

Interference with adequate oral intake of electrolytes will also contribute to hypotolernia. Digitalis therapy may exaggerate metabolic effects of hypotolernia especialty with reference to myocardial activity.

Any chloride deficit is generally mild and usually does not require specific treatment except under extraordinary direturpsiances (as in liver diseases or renal disease). Dilutional hyponal remia may occur in edematous patients in hot weather;

appropriate therapy is water restriction rather than administration of salt, except in rare instances when the hyponatremia is life-threatening. In actual salt depletion, appropriate replacement is the therapy of choice.

Transient elevations in plasma calcium may occur in patients receiving this zides, particularly in those with hyperparathyroidism. Pathological changes in the parathyroid gland have been reported in a few patients on prolonged this zide therapy.

Flyperuricemia may occur or frank gout may be precipitated in certain patients, insulin requirements in diabetic patients may be increased, decreased, or unchanged, Latent diabetes may become manifiest during inlazide administration. This zide drugs may increase the responsiveness to tubocurarine. The entitypertensive effects of the drug may be enhanced in the positive arterial responsiveness to norepinephrine. This

is not utiliciant to preciude effectiveness of the pressor agent for therapeutic use.
If altrogen retention indicates onsel of progressive renal impairment, consider withholding or discontinuing duratic therapy.
Inlexides may decrease serum PBI levels without signs of tyroid disturbance.
ADVERSE REACTIONS
Reserpine: Gestrointestinal—hypersecretion; nauses vomiting anorexis disrrines. Cardio-vascus—angina-like symptoma; arrhythmies franticulary hen used concurrently with distalls or unindine); bradycardia. Central figurations of the progression; narroughes; paradoxical anxiety; nightniares; repetitionalism syndrome and other extranyaminess; peradoxical anxiety; nightniares; repetitions and optic atrophy). Miscelleneous—frequently nessai congestion; pruritue; rash; dyness of moulin; dizziness; headache; dyspnes;

can count in youtension; paradoxical pressor response.

Hydrochlerothiezids: Gestrointestinal—a norexia, Hydrochlerothiezids: Gestrointestinal—a norexia, gastric irritation, nauses, vomiting, cramping, canting irritation, nauses, vomiting, cramping, chotesiatic), pancreatitis. Central Nervous System—dizziness, vertigo, paresthesis, headecha, irrimalizis, headecha, irrimalizis, headecha, cantingsia. Dermatologic—Hypersensitivity—purangilis, Stavena-Johnson syltdroms, and other hypersensitivity reactions. Hemelologic—leuko-hypersensitivity reactions. Hemelologic—leuko-hypersensitivity reactions. Hemelologic—leuko-hypersensitivity reactions and may be potentiated hypersiscensia. Cardiovascular—orthostatic spisalic anamia. Cardiovascular—orthostatic hypersiscensia, muscle spasin, waskness, restlessness. Witenever adverse reactions are moderate or severe, reduce dosage or withdraw therapy.

OSAGE
As determined by individual titration (see box warning).
Usual dosage is 1 or 2 tablets 1.1.d. For maintenance, adjust dosage to lowest patient requirement. When necessary, more potent antihypertensives may be added graduality in dosages reduced by at least 50 percent.
How supplied
Tablets (dark salmon pink, dry-costed), asch containing 0.1 mg reserpine, 28 mg hydralazine hydrochloride, and 15 mg hydrochlorothiszide; bottles of 100 and 1000.
Consult complete literature before prescribing.

CIBA Pharmaceutical Company Division of CIBA-GEIGY Corporation Summit, New Jersey 07901



fractory to repeated dilation and required resection.

to be the 233 mg. of sodium hydroxide saw him swallow the table but was unthat, in normal urine testing, provides aware of the danger and so did not ficiently short for resection and endtwo essential requirements for the indi- seek medical help until the next day, to-end anastomosis of the esophagus cator reaction: a strongly basic pH when the child was febrile, tachypneic, and, by its heat of hydration, tempera- and unable to swallow his saliva. Ra- of the diaphragmatic crura or the car-

child, Dr. Burrington said, it apparently and, on barium swallow, narrowing of dissolves in saliva to a sludge that sticks in the esophagus about the level carina. of the carina and causes a severe burn, both by its caustic nature and by the large local release of heat. A stricture then develops over the ensuing three to four months.

cnce demonstrates that both patients abled the physician to relate the sympand their physicians are insufficiently toms to Clinitest ingestion, neither he The deleterious substance appears tablets. In one case, the child's father tablets' caustic nature. the esophagus at the level of the

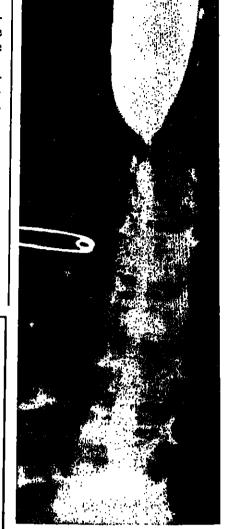
Dysphagia of 2 Weeks' Duration

In another case, a child was brought to the hospital with dysphagia of two While it seems logical to neutralize the

acquainted with the hazards of these nor the parents had been aware of the

All five patients had strictures sufto be accomplished without disruption tures that are close to the boiling point. diographic studies at the hospital dioesophageal junction. Although four When a tablet is swallowed by a showed a right upper lobe pneumonia of the five also required dilatations postoperatively, all but one are now eating normally.

Dr. Burrington noted that vinegar and lemon juice are listed as antidotes on the bottle, but expressed the bellef that they may do more harm than good. weeks duration. Although persistent caustic base with these acids, he said, Dr. Burrington said that his experi- questioning of siblings eventually en- the neutralization reaction intensifies



Barium swallow shows short, tight esophageal stricture in a two-year-old three weeks after ingestion of single Clinitest tablet. Dr. Burrington says the tablets have been insufficiently recognized as a hazard to children.

the release of heat and probably po-tentiates the thermal component of the

The preferred antidote, he said, is cold milk, which also has the advantage of being readily available and acceptable to the child. He suggested a flush of tap water as a second choice.

While the use of steroids and antibiotics is generally thought to be helpful in the treatment of sodium hydroxide burns of the esophagus, he remarked, only one of the five patients was seen by a physician early enough for this therapy to be instituted. The acute symptoms are often surprisingly mild, he said, so that the child may not be brought to the physician's attention until the developing stricture seriously

interferes with swallowing.

The possibility of Clinitest ingestion should therefore be considered with any child who presents with a short, persistent esophageal stricture, Dr. Burrington commented. He added that the absence of diabetics in the child's immediate family should not rule out this explanation, since two of the five children he treated swallowed the offending tablet while visiting in another

The problem is compounded, he observed, by the fact that the simple screw-top bottles containing the tablets, whose flecked appearance is apparently attractive to children, are often left in easily accessible places—the back of commodes, for example—in order to be convenient for urine testing. As with any dangerous substance, they should be stored in child-proof containers out of easy reach, he said.

Fill external canal with the drops, Insert cotton plug and allow to remain for only 15 to 30 minutes: Remove plug and gently wash ear

 Clears the ears prior to ear examination, otologic therapy or audiometry.

• Specific cerumenolytic action—excellent results reported in over 90% of 2,700 adult and pediatric

Needs no repeated instillations for several days,

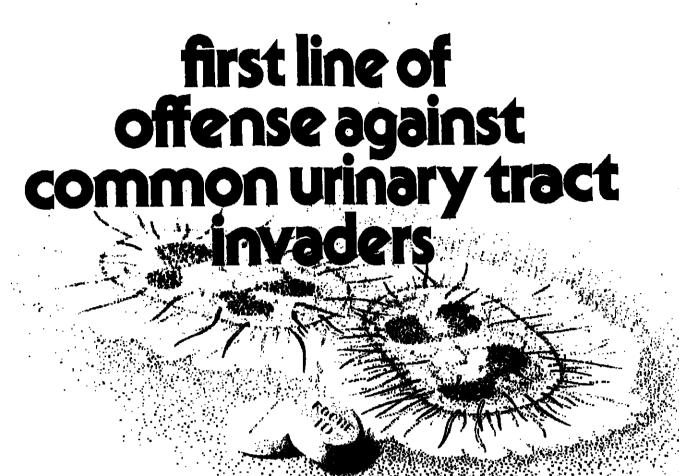
unlike some other agents.

indications: Removal of cerumen; removal of impacted cerumen prior to ear examination, otologic therapy or tion to the drops; positive patch test. Prevautions: Patch

test in patients with suspected or known allergy. Use with caution in otitis externa; avoid using in otitis media, presence of perforated drum, known dermatologic sensitivity or other allergic manifestations. Avoid undue exposure of large skin areas to the drug.

Adverse Reactions: Reported incidence in clinical studies* is about 1%, ranging from mild erythema to severe enzematold reaction of external arrang part. severe eczematold reaction of external ear and peri-auriouier tiesue; all reported uneventful resolution and no sequelas. *Bibliography and detailed information

(tnethanolamine polypeptide oleate-condensate 100% in propylene glycol with chlorbutanol 0.5%)



Gantanol B.I.D. (sulfamethoxazole)

Basic therapy in nonobstructed cystitis*

- Because it is active against susceptible strains of *E. coli* and other organisms
- Because it is effective in nonobstructed urinary tract infections such as cystitis, pyelonephritis and pyelitis
- Because it has high patient acceptance with convenient B.I.D. dosage
- Because it is economical
- Because it is available in two convenient dosage forms—tablets and suspension

Before prescribing, please consult complete product information, a summary of which follows: Indications: Acute, recurrent or chronic nonobstructed urinary tract infed-

tions (primarily pyelonephritie, pyelitis and cyalitis) due to susceptible organisms. Note: Carefully coordinate in vitro suifonamide sensitivity tests with bac-teriologic and clinical response; add aminobehzoic acid to follow-up culture media. The increasing frequency of resistant organisms limits the usefulness of antibacterials including suifonamides, especially in chronic or recurrent urinary tract infections. Measure suifonamide blood levels as variations may occur; 20

mg/100 ml should be maximum total level.

Contraindications: Suifonamide hypersensitivity; pregnancy at term and during nursing period; intents less than two months of age.

Manual period; intents less than two months of age. Wernings: Safety during pregnancy has not been established: Sufforamides should not be used for group A bets-hemolytic streptococcal infections and will not eradicate or prevent sequelae (rheumatic fever, glomerulonephritis) of such infections. Death prevent sequelae (rheumatic fever, glomerulonephritis) of such infections. and other blood dyscratise have been reported and early clinical signs (sore throat, fever, pallor, purpura or jaundice) may indicate serious blood disorders. Frequent CBC and urinelysis with migroscopic examination are redommended a ing sulfonamide therapy. Insufficient date on children under six with chronip,

*due to susceptible organisms such as E. coll. Klebsiella-Aerobacter, Staph. aureus, Proteus mirabilis, and, less frequently, Proteus vulgaris,

Precautions: Use cauliquely in patients with impaired renal or hepatic func-tion, severe allergy, bronchiel asthma: In glucose 8-phosphate dehydrogenate delicient individuals in whom dose-related hemolysis may occur, Maintain adaquate fiuld intake to prevent crystalluria and stone formation.

Adverse Reactions: Blood dyscrapies (agranulogytosis, spiastic anemia)

thrombocytopenia, leukopenia, hemolytic anemia, purpura, hypoprothrombinemia and methemoglobinemia): alterglo reactions (erythema multiforme, akin arupulons, epidermal peccelysis; urticatia; serum alckness; pruritus, exicilative dermatitis; anaphylactoid reactions, periorbital edema; conjunctival and alceral injection, photosensitization, arthraigia and allergic myoparditis); gastrointestinal reactions tosensitization, arthraigia and allergic myoparditis); gastrointestinal reactions (nauses, emetis, abdominal peins, hepatitis, diarrhea, anorexia, panoreatitis and (nauses, emetis, abdominal peins, hepatitis, diarrhea, anorexia, panoreatitis and reactions, ataxia, hallucinations, tinnitus, vertigo and insomnia); miscellanous vuisions, ataxia, hallucinations, tinnitus, vertigo and insomnia); miscellanous perioreations (drug fever, chilis, toxid rephroeis with oliguria and anuria, perianteritis reactions (drug fever, chilis, toxid rephroeis with oliguria and anuria, perianteritis notions and L.E. phenomenon). Due to certain chemical similarities with some goltrogenia; diuretics (acetazolamide, thiazides) and oral hypoglycemic agents, sufformindes have baused rare instances of golter production; diuretis and hypoglycemic agents in rate following long-term administration.

Orosaisanetivity with these agents may exist.

Desage allivity with these agents may exist.

Desage allivity with these agents may exist.

Desage allivity with these agents may exist.

Leual addit dosage; 2 Gm (4 table or teasp.) initially, then 1 Gm b.l.d. or i.l.d. desagending on everity of inteotion. poytopenia, leukopenia, hemolytic anemia, purpura, hypoprothro

Usuji addit ddeitget 2 Gm (4 table of reasp.) Intenty, ment depending on severity of intention.

Usuji child's desage: 0.5 Gm (1 table of teasp.)/20 libs of body weight initially.

Usuji child's desage: 0.5 Gm (1 table of teasp.)/20 libs of body weight initially.

then 0.26 Gm/20 libs of i.d. Maximum dose should not expess 75 mg/kg/24 fire.

then 0.26 Gm/20 libs of i.d. Maximum dose should not expess 75 mg/kg/24 fire.

then 0.26 Gm/20 libs of i.d. Maximum dose should not expess of mg/kg/24 fire.

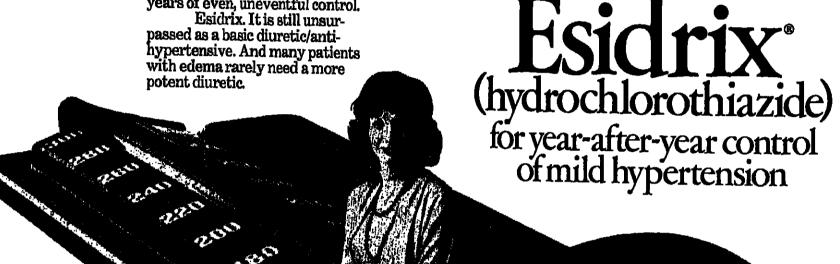
prophed: Tableto. 0.5 Gm sulfamethoxazole; Suspension, 0.6 Gm sulfamethoxazole/leaspopnium

Procle Laboratories

by Oldden

Gentle in bringing patients down to normotensive levels. Esidrix will continue to "sit right" with many of the mild hypertensives for whom you prescribe it. Indeed it can mean years and years of even, uneventful control. Esidrix. It is still unsur-

Contraindications include anuria. Use cautiously in patients with impaired renal or hepatic function.



Esidrix® (hydrochlorothlazide) INDICATIONS

Use with caution in severe renoi disease, in patients with renai disease, thiazides may pracipitate szotemia. Cumulative effects of the drug may develop in patients with impaired renai function. Thiszides should be used with caution in patients with impaired renai function. Thiszides should be used with caution in patients with impaired hepatic function or progressive liver disease, since minor alterations of fuld and electrolyte imbalance may precipitate hepatic come. Thiszides may be additive or potentiative of the action of other antihypertensive drugs. Potentiation occurs with gangilonic or paripheral advenargic blocking drugs. Sensitivity reactions are more likely to occur in patients with a history of altergy or bronchial asthma. The possibility of exacerbation or activation of systemic lupus crythematosus has been reported. Usage of thiszides in women of childbearing age requires that the potential benefits of the drug be weighed against its possible hazards to the fetus. These hazards include fetal or neonatal joundice, thrombocytopenia, and possibly other adverse reactions which have occurred in the adult. Nursing Methers
Thiszides cross the placental barrier and appear in cord blood and breast milk.

are dryness of mouth, thirst, weakness, lethergy, crowsiness, restlessness, muscle pains or cramps, muscular fatigue, hypotension, olguria, tachycardia, and gastrointestinel disturbance such as nausea or vomiting.

nausea or vomiting.

Hypokalemia may devalop with thiazides as with any other potent diuretic, especially during brisk diuretis, when severe cirrhosis is present, or during concomitant administration of steroids or ACTH. Interference with adequate oral intake of electrolytes will also contribute to hypokalemia. Digitalit therapy may exaggerate metabolic effects of hypokalemia especially with reference to myecardial activity.

activity.
Any chloride delicit is generally mild and usually does not require specific treatment except under externorm considering a strandard considering the delicit is strandard to the delicit in the specific and the delicit is demandard patients in hot weather appropriate the administration of sall, except in rare instances when he hypothem is like-invalening. In bettal self deplation, appropriate replacement is like therapy of choice.

become mannest during thiazide administration.
Thiazide drugs may increase the responsiveness to tubocurarine. The antihypertensive effects of the drug may be enhanced in the post-sympathectomy patient. Thiazides may decrease arterial responsiveness to norepinaphrine. This is not sufficient to preclude affectiveness of the pressor agent for therapeutic use.

siveness to norepinephrina. This is not sufficient to preclude affectiveness of the pressor agent for therapeutic use. If nitrogen retention indicates onset of progressive renal impairment, consider withholding or discontinuing durelle therapy.

Thiszides may decrease serum PBI levels without signs of thyrold disturbance.

ADVERSE REACTIONS
Gastrointestinal—anorexia, gastric irritation, nausea, vomiting, cramping, diarrhes, constipation, jaundice (intrahepatic cholesalic), pancreatitis. Central Nervous System—dizziness, vertigo, paresinesias, headache, xanthopsia. Dermatologic-Hypersensitivity-purpura, photosensitivity; fash, uricaria, necrotizing anglitis, Stevens-Johnson syndrome, and other hypersensitivity reactions: hematologic—leukopenia, agranulocytosis, thrombocytopania, aplastic anamia. Cardiovascular—orthogistic hypotension may occur and may be objentiated by gicohol, barollurates, or narcitics.

justed downward to as little as 25 mg or upward to as much as 100 mg daily. Combined therapy—Whan necessary, other antihypertensives may be added gradually and with caution because of the potentiating effect of this drug. Dosages of ganglionic blockers should be halved.

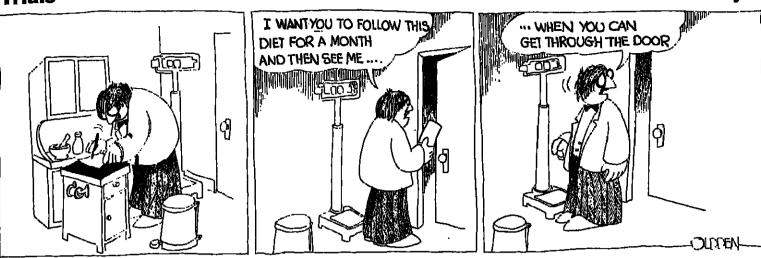
Edema: Initial—25 to 200 mg daily for several days. Maintenance—25 to 100 mg daily or intermittently. Refractory patients may require up to 200 mg daily SUPPLIED. Tablels, 50 mg (yellow, scored); boltles of 30, 60, 100, 1000, 5000 and Accurak bilsler units of 100, 7ablels, 25 mg (pink, scored); bottles of 100, 1000 and 5000.

Consult complete literature before prescribing.

CIBA Pharmaceutical Company Division of CIBA-GEIGY Corporation Summil, New Jersey 07901

Clinical Trials

Wednesday, March 12, 1975



TRIBUNE SPORTS REPORT

Doctors Are Urged to Take Keener Interest in Ski Safety

PORTLAND, ORE.-Physicians can help curb the estimated 600,000 ski-related injuries that will occur on U.S. slopes so commonly used, the skier's hand this year, an authority on alpine skiing told the 16th National Conference on the Medical Aspects of Sports here.

Eugene Bahniuk, Ph.D., Associate Professor of Biomedical Engineering avoid the possibility of dislocation and Assistant Professor of Orthopedics at Case Western Reserve University. said that an estimated 5,000,000 Americans will do some skiing this year and that physicians should take an interest in their safety education.

At least 50 per cent of the skiing injuries reported each year are equipment-related, Dr. Bahniuk said, and the rest can be chalked up to poor physical condition or ignorance.

"Physicians, especially those areas where skiing is popular, can contribute a lot to the over-all safety of the sport by cautioning patients against poor physical conditioning and equipment hazards," he said.

Muscle Role is Primary

"Physical conditioning plays a major role in the severity of a ski-related injury. Certainly, energy-absorption ability of bone is very small, so the skier's primary defense mechanism is muscular conditioning. This suggests that better physical conditioning provides better energy absorption, thereby offering the skier more protection. . . .

"Doctors can help a lot just by faniliarizing themselves with various aspects of ski equipment, such as bind-

"It is particularly important that tren have a higher incidence of ski in- clans and Surgeons of Canada. juries than adults, and the consequences of injury to the epiphyseal plate are Earl Plunkett, Professor and Chair- and high prestige draw California meduniquely serious."

technically inferior to the average one don. Ont. for an adult, and physicians in areas where skiing is popular should be aware of this, Dr. Bahniuk said.

sented by ski poles, runaway devices, ovulation. and improper clothing:

• Ski poles have been implicated in shoulder dislocations, thumb dislocations, the translations and the translations and the translations are the translations are the translations and the translations are translations are translations are translations are translations and translations are translations are translations are translations. tions, and lacerations.



Pull-away straps are needed to Born in Sigmaringen, Germany, in • Runaway devices have two basic forms. Some are straps that attach the to prevent a ski from sliding down the slope after the binding has been re-

Text: Dr. Joseph Kler Stamp: Minkus Publications, Inc., New York

plicated in ski injuries. Ski clothes should have a high coefficient of friction when in contact with snow and ice. In some falls it is only the frictional resistance of the skier's clothes which provides a deceleration force." he said.

Medicine on Stamps

Theodor Billiarz



1825. Bilharz received his medical education at the University of Tubingen. In 1850 he emigrated to Cairo and became interested in Egyptian entozoa. În 1851 he discovered a blood fluke and later its eggs in the urine of peasants sufferng the hematuria and bladder calcification of schistosomiasis, or bil-

DL-Norgestrel, a New Form, Efficacious in Canada Study

By Ben Rose

"Ski poles may be caught in a stationary object, such as a tree branch,

and because of the straps which are

will remain stationary with the poles

as the skier's body continues in its

when that happens, and physicians

skier to the ski. Other forms are me-

chanical devices that react with snow

"Runaway straps have flaws, After

the ski has released, the runaway strap

keeps the released ski in the region of

the skier. Fallen skiers have been lac-

erated by the sharp edges of the re-

• Improper clothing can be another

fewer physicians, are aware.

hazard, of which few skiers, and even

"Ski clothes have been directly im-

original direction of motion."

should tell their patients so.

Medical Tribune World Service

WINNIPEG, MAN.—An oral contraceptive with a low dose of estrogen (30 micrograms) and 300 micrograms of DL-norgestrel, a new form of progestin, has proven efficacious in blocking ovulation in a series of 23 women, hildren's ski bindings not be considity was reported here to the annual ered in the same category as toys, Chil-meeting of the Royal College of Physi-

The women received three months of medication spaced between a month with no medication. Dr. Plunkett said He also commented on hazards pre- all the subjects were then regular in

and 5 per cent in the third.

Dr. Plunkett also noted the work of other investigators of the drug who have described a significant drop in cholesterol level of subjects. He said a minor change in the molecular structure of progestin alters its metabolic effects significantly, and predicted this would be a fruitful area of research.

Rand Manpower Study

The study was described by Dr. SANTA MONICA, CAL.—Bigger money man of Obstetrics and Gynecology, ical students into the specialties and The average binding for a child is University of Western Ontario, Lonworking hours, poor health services, and lower pay of rural areas, according to a study by the Rand Research Corporation.

The study recommended more physician training for people from rural Mid-period bleeding, occurred in 10 areas, television and computer link-ups to 15 per cent of the patients in the between urban and rural health servfunds on a statewide basis.

IMMATERIA MEDICA

From 3 K's to 3 F's

Dr. M. W. L. Davis, who is in family practice in Regina, Saskatchewan, had some fun reviewing Is Marriage Necessary? by L. Casler, Ph.D., in the January Canadian Family Physician. Noting that Dr. Casler proposed "evolutionary" development of "permissive matrimony," Dr. Davis went on to say: "His hesitation to propose the extreme position is matched by his reluctance to take the ultimate step with language. He avoids the evolution of female function from the 3 K's (kinder, kuche and kirche)—to the 3 F's as 'feeding, flattering, and sexual intercourse' (sic)!"

Obviously, it's a case of the alphabet-syndrome. Just for starters in F, we'll throw out a few: faking, fooling, feeling, frenzy, and fun.

Changing Concepts

We're indebted to Dr. Raymond M. Dorsch, Jr., of Lebanon, Pa., for the following item from the Philadelphia Inquirer's medical column:

"The pelvic examination is important to evaluate the size of the uterus, its position, or the presence of any rumors of the uterus or ovaries."

Not a solo practice, Immateria Medica welcomes contributions from readers. Send them to Immateria Medica. MEDICAL TRIBUNE, 880 Third Avenue, New York, N.Y. 10022. Tonight, that



A spiky fever.